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# MEYER-STISSER'S Garden Book

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TENTH  
EDITION

1920



**The MEYER-STISSER CO.**

32 Light St.

**BALTIMORE, MD.**

Branch House - Melfa, Va.





# Tenth Annual Edition

## The Meyer-Stisser Co.'s Garden Book

### for 1920



#### We Take This Opportunity

of thanking our many customers for their generous patronage in the past, and do assure them that we will continue to do all in our power to merit a continuance of their confidence. Nine years we have been in business and have made continued strides. This was in large measure due to our many customers, who continually favored us with their patronage. Our greatest asset has been and is "Our Satisfied Customers."

On October 1, 1919, we opened a "Branch House" in Melfa, Va. We ask the kind co-operation and good will of all the people of the Peninsula of Va.

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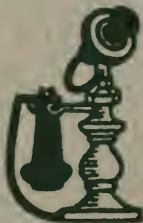
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2	....	.06	.06	.06	.08	.11	.14	.17	.21	37	....	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
3	....	.06	.07	.07	.10	.15	.20	.25	.31	38	....	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
4	....	.07	.08	.08	.12	.19	.26	.33	.41	39	....	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
5	....	.07	.09	.09	.14	.23	.32	.41	.51	40	....	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.84
6	....	.08	.10	.10	.16	.27	.38	.49	.61	41	....	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
7	....	.08	.11	.11	.18	.31	.44	.57	.71	42	....	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
8	....	.09	.12	.12	.20	.35	.50	.65	.81	43	....	.26	.47	.47	.90	1.75	2.60	3.45	4.51	5.16
9	....	.09	.13	.13	.22	.39	.56	.73	.91	44	....	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
10	....	.10	.14	.14	.24	.43	.62	.81	1.01	45	....	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
11	....	.10	.15	.15	.26	.47	.68	.89	1.11	46	....	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
12	....	.11	.16	.16	.28	.51	.74	.97	1.21	47	....	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
13	....	.11	.17	.17	.30	.55	.80	1.05	1.31	48	....	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
14	....	.12	.18	.18	.32	.59	.86	1.13	1.41	49	....	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
15	....	.12	.19	.19	.34	.63	.92	1.21	1.51	50	....	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
16	....	.13	.20	.20	.36	.67	.98	1.29	1.61	51	....	.30	.55	.55	1.06					
17	....	.13	.21	.21	.38	.71	1.04	1.37	1.71	52	....	.31	.56	.56	1.08					
18	....	.14	.22	.22	.40	.75	1.10	1.45	1.81	53	....	.31	.57	.57	1.10					
19	....	.14	.23	.23	.42	.79	1.16	1.53	1.91	54	....	.32	.58	.58	1.12					
20	....	.15	.24	.24	.44	.83	1.22	1.61	2.01	55	....	.32	.59	.59	1.14					
21	....	.15	.25	.25	.46	.87	1.28	1.69	2.11	56	....	.33	.60	.60	1.16					
22	....	.16	.26	.26	.48	.91	1.34	1.77	2.21	57	....	.33	.61	.61	1.18					
23	....	.16	.27	.27	.50	.95	1.40	1.85	2.31	58	....	.34	.62	.62	1.20					
24	....	.17	.28	.28	.52	.99	1.46	1.93	2.41	59	....	.34	.63	.63	1.22					
25	....	.17	.29	.29	.54	1.03	1.52	2.01	2.51	60	....	.35	.64	.64	1.24					
26	....	.18	.30	.30	.56	1.07	1.58	2.09	2.61	61	....	.35	.65	.65	1.26					
27	....	.18	.31	.31	.58	1.11	1.64	2.17	2.71	62	....	.36	.66	.66	1.28					
28	....	.19	.32	.32	.60	1.15	1.70	2.25	2.81	63	....	.36	.67	.67	1.30					
29	....	.19	.33	.33	.62	1.19	1.76	2.33	2.91	64	....	.37	.68	.68	1.32					
30	....	.20	.34	.34	.64	1.23	1.82	2.41	3.01	65	....	.37	.69	.69	1.34					
31	....	.20	.35	.35	.66	1.27	1.88	2.49	3.11	66	....	.38	.70	.70	1.36					
32	....	.21	.36	.36	.68	1.31	1.94	2.57	3.21	67	....	.38	.71	.71	1.38					
33	....	.21	.37	.37	.70	1.35	2.00	2.65	3.31	68	....	.39	.72	.72	1.40					
34	....	.22	.38	.38	.72	1.39	2.06	2.73	3.41	69	....	.39	.73	.73	1.42					
35	....	.22	.39	.39	.74	1.43	2.12	2.81	3.51	70	....	.40	.74	.74	1.44					

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# Planting Calendar

## FLOWERS

### MARCH

PLANT INDOORS	SET OUT
Ageratum .....	May 1
Antirrhinum (Snap-dragon) .....	May 15
Asters .....	May 10
Carnation, Marguerite, ..	May 1
Celosia, Cockscomb .....	May 1
Cobaea scandens .....	May 1
Heliotrope .....	May 10
Hollyhock .....	May 10
Lobelia .....	May 1
Pansy .....	May 1
Petunia .....	May 1
Salvia .....	May 1
Stocks (Gilliflower) .....	May 15
Verbena .....	May 1
Wallflower .....	May 1

### APRIL

All those listed for March may also be planted in April, and, in addition, the following:

SOW INDOORS	SET OUT
Alyssum .....	May 1
Calendula .....	May 1
Coleus .....	May 15
Cosmos, Late .....	May 1
Dahlias .....	May 1
Delphinium Chinese .....	May 15
Gourds, Ornamental .....	May 1
Helianthus Sunflower .....	May 1
Marigold .....	May 1
Mignonette .....	May 1
Nicotiana .....	May 1
Phlox Drummondii .....	May 1
Poppy, Iceland .....	May 15
Ricinus (Caster-Oil Plant) ..	May 10
Salpiglossis .....	May 10
Scabiosa .....	May 1
Vinca rosea .....	May 10
Zinnia .....	May 1

### SOW OUTDOORS

Sweet Peas  
Nasturtium

### MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.

### SOW OUTDOORS

(Do not require transplanting)

Sweet Alyssum  
Calendula  
Calliopsis  
Candytuft  
Centaurea (Bachelor's Button)  
Chrysanthemum, Annual  
Clarkia elegans  
Cosmos, Early  
Delphinium Chinese  
Dianthus (Chinese Pinks)  
Eschscholtzia (California Poppy)  
Gaillardia (Blanket Flower)  
Godetia  
Ornamental Gourds  
Helianthus cucumerifolius (Miniature Sunflower)  
Hunnemannia fumariifolia  
Larkspur, Annual  
Lupins, Annual  
Marigold  
Mignonette  
Morning Glory  
Nasturtium  
Petunia  
Phlox Drummondii  
Poppy  
Portulaca  
Salpiglossis  
Scabiosa  
Verbena  
Zinnia

(Should be transplanted)

Asters  
Balsam  
Celosia (Cockscomb)  
Cosmos, Late  
Dahlias  
Marigold  
Mignonette  
Nicotiana  
Ricinus

## BULBS AND TUBEROUS ROOTS

### MAY

### PLANT OUTDOORS

Begonian	Monstrelas	Cannas	Gladioli
Caladiums	Paeonies	Dahlias	Tuberoses

## FLOWERS—Continued

### JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till September.

### TO REMAIN WHERE SOWN

Alyssum saxatile compactum  
Aconitum (Monks Hood)  
Aquilegia (Columbine)  
Asters, New England  
Coreopsis  
Campanula (Bluebells)  
Candytuft, Sempervirens  
Hibiscus  
Lupins  
Poppies, Iceland  
Poppies, Oriental

### JUNE—Continued

TO REMAIN WHERE SOWN—CON.

Sweet William  
Valerian (Garden Heliotrope)  
TO BE TRANSPLANTED  
Canterbury Bells  
Delphinium (Larkspur)  
Digitalis (Foxglove)  
Gaillardia grandiflora  
Hollyhocks  
Pyrethrum

### JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.

### VARIETY

Bellis (English Daisies)  
Pansies  
Myosotis (Forget-me-not)

## VEGETABLES

### MARCH

The only vegetables to be planted out-of-doors in March. All early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.

### PLANT INDOORS SET OUT

Artichoke, Globe .....	June 1
Cabbage, Early .....	May 1
Cauliflower, Early .....	May 15
Celery .....	June 1
Eggplant .....	May 15
Kohlrabi .....	May 1
Lettuce .....	April 15
Parsley .....	May 1
Pepper .....	May 15
Tomato .....	May 1

### OUTDOORS

Peas, Early Smooth  
Onion Sets

### APRIL

All the seeds mentioned in the March table can be started in April, and also the following:

### PLANT INDOORS SET OUT

Asparagus, Seeds .....	June
Beets .....	May
Brussels Sprouts .....	June
Cabbage, Late .....	June
Cauliflower, Late .....	June

### PLANT OUTDOORS

Asparagus, Roots  
Beets  
Carrots  
Cress  
Kohlrabi  
Lettuce  
Mustard  
Onion Seed

### APRIL—Continued

PLANT OUTDOORS—Continued

Onion Sets  
Parsley  
Parsnip  
Peas, Early Wrinkled  
Potatoes  
Radish  
Rhubarb, Roots  
Swiss Chard  
Squash  
Turnip

Set out Lettuce started indoors in March.

### MAY

### PLANT OUTDOORS

Beans, Bush  
Beans, Pole  
Corn, Sugar  
Cucumber  
Muskmelon  
Watermelon  
Okra  
Peas, Late  
Pumpkin  
Squash

All the seeds mentioned in the April table may also be sown in May.

Set out early cabbage, early cauliflower and tomato plants started indoors in March and April.

### JUNE

### PLANT OUTDOORS

Beans, Late Bush  
Beans, Late Pole

Set out Globe artichokes, Brussels sprouts, late cabbage, cauliflower, celery, eggplants, and peppers which have started indoors. Plant Swiss chard, sugar corn, lettuce, late peas, radishes, beets and turnips for late crops.

October 10th, 1919.

I planted my Incomparable Tomato beside the John Baer and Bonnie Best, and they outlasted both and are still bearing.

J. C. SHAW, Rossville, Md.



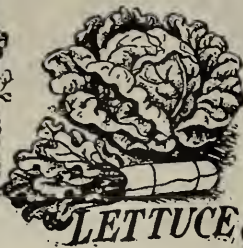
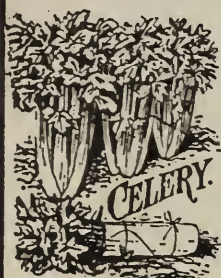
# SPRAYING TABLE

WHAT TO SPRAY AND WHAT TO SPRAY FOR	SPRAY WITH	TIME OF FIRST SPRAYING	TIME OF SECOND SPRAYING	TIME OF THIRD SPRAYING
<b>APPLES—</b>				
<b>Bitter Rot</b> .....	Bordeaux mixture.	First appearance of rot.	One to two weeks later.	Two weeks later.
<b>Canker Worm</b> .....	Arsenate of lead, paris green, pyrox.	On first appearance of worms.	Two or three days later if worms remain.	Same as second.
<b>San Jose Scale</b> .....	Scalecide or Commercial lime-sulphur.	Just as the leaf buds are swelling.	Just before the flower buds open.	As soon as the petals have fallen.
<b>Scab</b> .....	Scalecide or lime-sulphur.	After the leaves have come out, but before the flower buds appear.	Within eight days from the time petals drop.	One month later.
<b>Codling Moth</b> .....	Arsenate of lead, pyrox.	Within eight days from the time the petals drop.	One month later.	
<b>ASPARAGUS—</b>				
<b>Beetle</b> .....	Arsenate of lead, pyrox.	Early spring.		
<b>Rust</b> .....	Bordeaux mixture.	After cutting crop.	Ten days later.	Ten days later.
<b>CABBAGE AND CAULIFLOWER</b>	Slug Shot, Bug Death, Pyrox.	On first appearance of worms.	Whenever worms are noticed.	
<b>CELERY</b> .....	Bordeaux mixture.	On young seedlings.	Repeat on seedlings.	Before or after transplanting.
<b>CHERRY—</b>				
<b>Aphis</b> .....	Kerosene emulsion.	At first appearance.	Repeat as necessary.	
<b>San Jose Scale</b> .....	Scalecide or Commercial lime-sulphur.	Spray same as for apples.		
<b>Leaf-spot</b> .....	Scalecide or lime-sulphur.	Just before blossoms open.	When fruit is free from calyx.	
<b>CUCUMBERS—</b>				
<b>Anthracnose</b> .....	Bordeaux mixture, pyrox.	When plants begin to run.	Two weeks later.	Two weeks later.
<b>Downy Mildew</b> .....	Bordeaux mixture.	When plants begin to run.	Ten days later.	Nine days later.
<b>CURRENT—</b>				
<b>Leaf-spot</b> .....	Bordeaux mixture.	As leaves are unfolding.	Two weeks later.	Two weeks later.
<b>Worm</b> .....	White hellebore, pyrox.	When they first appear.	In three or four days.	Repeat three or four days later.
<b>GOOSEBERRY—</b>				
<b>Leaf-spot</b> .....	Bordeaux mixture.	Before leaves start.	Two weeks later.	Two weeks later.
<b>Worm</b> .....	Same as for Currants.			
<b>Mildew</b> .....	Grape Dust.	When buds are breaking.	Repeat every ten days until fruit is gathered.	
<b>GRAPE—</b>				
<b>Anthracnose</b> .....	Bordeaux mixture.	Just before buds open.	Just before blossoming.	After fruit has set.
<b>Berry Moth</b> .....	Arsenate of lead.	Before blossoms are ready to open.	After blossoms have fallen.	Ten days later.
<b>Downy or Powdery Mildew</b> .....	Bordeaux mixture.	Just before blossoming.	After fruit has set.	Ten days later.
<b>Rot</b> .....	Bordeaux mixture.	Just before blossoming.	Just after fruit has set.	Eight days later.
<b>MUSKMELON—</b>				
<b>Anthracnose</b> .....	Bordeaux mixture, pyrox.	When plants begin to vine.	Two weeks later.	Two weeks later.
<b>Downy Mildew</b> .....	Bordeaux mixture.	July 25 to August 1.	Ten days later.	Nine days later.
<b>Leaf-blight</b> .....	Bordeaux mixture.	When plants begin to vine.	Three weeks later.	Three weeks later.
<b>PEACH—</b>				
<b>Leaf-curl</b> .....	Scalecide, lime-sulphur or Bordeaux mixture.	In March or April, or both, to make doubly sure.	Two or three weeks later.	
<b>Brown Rot</b> .....	Self-boiled lime-sulphur and arsenate of lead.	About time shucks are shedding from young fruit or on first appearance.		About one month before fruit ripens. Omit arsenate of lead.
<b>Scab</b> .....	Bordeaux mixture.	Just as buds begin to swell.	After fruit has set.	Repeat later when fruit is about half grown.
<b>San Jose Scale</b> .....	Scalecide or lime-sulphur.	Spray same as for apples.		
<b>PEAR—</b>				
<b>Leaf-blight</b> .....	Bordeaux mixture.	Cut out the branches on first appearance on twigs.	After blossoms fall.	Repeat at intervals of three to seven days.
<b>Psylla</b> .....	Kerosene emulsion or whale-oil soap.	In winter, use commercial lime-sulphur for eggs.		
<b>PLUM—</b>				
<b>Curculio</b> .....	Arsenate of lead.	With starting of buds.	Just after blossoms drop.	Five days later.
<b>Aphis</b> .....	Whale-oil soap.	On appearance of aphids.		
<b>Shot-hole Fungus</b> .....	Scalecide, lime-sulphur or Bordeaux mixture.	When leaves are half grown.	Three weeks later.	Three weeks later if necessary.
<b>Rot</b> .....	Bordeaux mixture.	As buds are swelling or on appearance.	Just after calyx drops.	Three or four weeks later.
<b>POTATO—</b>				
<b>Early Blight</b> .....	Bordeaux mixture, pyrox.	When plants are 6 inches high.	Seven to ten days later.	Two weeks later.
<b>Late Blight</b> .....	Bordeaux mixture, pyrox.	As for early blight to July.	July 15 to 20.	Two weeks later.
<b>Potato Beetle</b> .....	Paris green, micro, slug shot, bug death, pyrox.	When pest appears.	Repeat if necessary.	
<b>RASPBERRY—</b>				
<b>Anthracnose</b> .....	Bordeaux mixture, pyrox.	Before leaves open.	When new canes are 6 to 8 inches high.	Ten days later.
<b>Saw-fly</b> .....	Paris green and arsenate of lead or hellebore.	When pest first appears.	Repeat in three or four days.	
<b>Leaf-spot</b> .....	Bordeaux mixture.	When leaves are half grown.	Two weeks later.	Two weeks later.
<b>ROSE—</b>				
<b>Leaf-spot</b> .....	Bordeaux mixture.	On first appearance of fungus.	Two or three weeks later.	Repeat if necessary.
<b>Mildew</b> .....	Powdered sulphur.	On appearance of slugs.	Repeat if necessary.	
<b>Slug</b> .....	Thanatus, black leaf, 40. Nicofume Liquid.			
<b>STRAWBERRY—</b>				
<b>Leaf-spot</b> .....	Sulphate of iron, Bordeaux mixture.	Soon after growth begins.	Make three or four sprayings during season.	The following spring spray just before blossoming and again 10 days later.
<b>SQUASH—</b>				
<b>Aphis</b> .....	Kerosene emulsion.	Spray underside of leaves.		
<b>Lady Beetle</b> .....	Arsenate of lead, pyrox.	As soon as pest appears.		
<b>TOMATO—</b>				
<b>Anthracnose</b> .....	Bordeaux mixture, pyrox.	Soon after fruit begins to set.	Three weeks later.	Three weeks later.
<b>Leaf-blight</b> .....	Bordeaux mixture.	Three weeks after transplanting.	Three weeks later.	Three weeks later.
<b>White Fly</b> .....	Whale-oil, soap and water	Spray underside of leaves thoroughly.		

Gentlemen—I put out quite a number of Big Chief Tomato Plants, they bore from 26 to 43 to the plant, wish I had planted my whole crop in same.

SAM GAYLOR, Hanover, Md.





## Vegetable Plants and Roots

### SPECIAL NOTICE

All of our plants are produced from our M-S Sure Growing Seeds, and will give wonderful result. If wanted in larger quantities write for special quotations.

#### ARTICHOKEs (Ready in April)

**Green Globe.** Pot grown. \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).  
**Jerusalem.** Used for table and stock feeding. 30c. qt.; peck, \$1.50; \$5.00 per bushel.

#### ASPARAGUS ROOTS

(Ready from October 15th to May 15th)

The two-year-old roots usually produce two years after planting.

2-Year-Old Roots	Doz.	100	1000
<b>Argenteuil</b> .....	\$0.50	\$2.00	\$12.50
<b>Barr's</b> .....	0.50	2.00	12.50
<b>Conover's</b> .....	0.50	2.00	12.50
<b>Palmetto</b> .....	0.50	2.00	12.50

#### BEET PLANTS (Ready April 1st)

**Popular varieties.** 15c. doz.; 60c. per \$1.00; by mail, add 5c. to doz.; 15c. to 100.

#### BORECOLE PLANTS (Ready July 1st)

20c. doz.; 60c. per 100; by mail, add 5c. to doz.; 15c. to 100.

#### BRUSSELS SPROUTS (Ready in July)

**Matchless Improved (Hot-Bed Grown).** 25 for 25c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage; 5c. per doz.

#### CABBAGE PLANTS

(Ready in season beginning April 1st)

**Early Sorts.** From hot beds. 50c. per 100; per 1000, \$4.00; 15c. per doz.

**Late Sorts.** Popular varieties. 15c. doz.; per 100, 50c.; \$4.00 per 1000. If cabbage plants are wanted by mail, add 10c. per 100 for postage; 5c. doz.

#### M.-S. FROST-PROOF CABBAGE PLANTS

**Will Mature Heads Two to Three Weeks Earlier Than Your Home-Grown Plants and Double Your Process.**

To get the advantages of these Frost-Proof Cabbage Plants they must be planted a month or six weeks earlier than you would plant home-grown plants.

**Varieties:** Early Jersey Wakefield, Charleston, Large Type Wakefield, Succession and Early Flat Dutch.

Prices by parcel post, postage paid, 40c. per 100 plants, to all places in the postal union. On larger quantities the prices are as follows:

500 plants, \$1.50; 1000 or more at \$2.70 per 1000.

Prices by express, buyer paying charges, which under special rates are very low. In lots of 1,000 to 4,000 at \$2.00 per 1,000; 5,000 to 8,000 at \$1.80 per 1,000. Terms cash.

#### CAULIFLOWER PLANTS (Ready April 1st)

**Snowball variety only.** From hot beds. 25c. per doz.; \$1.00 per 100. By mail, add 5c. per doz., or 10c. per 100 for postage charges.

#### CELERY PLANTS (Ready in July)

**M.-S. Monarch, Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching.** 25c. dozen; 75c. per 100; \$6.00 per 1000. By mail, allow 10c. per 100 for postage; 5c. per doz.

#### CHIVES (Ready in April)

**Strong Plants.** 15c. each; doz., \$1.50. Allow 5c. each for mailing if wanted by parcel post.

#### EGG PLANTS (Ready after May 15th)

Sold in pot-grown stock only.

**M.-S. Ebony King and Black Beauty.** 7c. each; 75c. doz.; \$5.50 per 100. Best sent by express only. Mail, add 2c. to each plant.

#### HORSE RADISH ROOTS (Ready in March)

**Maliner Kren (Bohemian).** Large, strong cuttings, 35c. per doz.; per 100, \$1.00; \$7.00 per 1000. If Horse Radish are wanted by mail, add 10c. per 100 for postage; 5c. per doz.

#### KOHL RABI PLANTS

**Early White Vienna.** 20c. doz.; 75c. per 100; by mail, add 10c. per 100; 5c. doz.

#### LETTUCE PLANTS

**Leading varieties.** 10c. doz.; 50c. per 100; \$4.00 per 1000. If wanted by mail, add 10c. per 100 for postage; 5c. doz.

#### PEPPER PLANTS (Ready in May)

**Bull Nose and Ruby King.** Pot-grown plants, 5c. each; 75c. per doz.; per 100, \$5.50. By mail, add 2c. each. Hot-Bed Grown. 25c. per doz.; per 100, \$1.50. By mail, add 10c. 100; 5c. doz.

#### RHUBARB ROOTS

(Ready from October to May 15th)

**Victoria First Size Roots.** 25c. each; \$2.00 per doz.; per 100, \$15.00. Allow 5c. each or 25c. dozen for postage, if wanted by mail.

**Victoria Mammoth Roots for Planting Out or Suitable for Forcing.** 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

#### SWEET POTATO PLANTS (Ready in April)

**Yellow Big Stem and Up Rivers.** 50c. per 100; 1,000, \$4.00. If wanted by mail, allow 15c. per 100 for postage.

#### TARRAGON (Hardy) Ready in April

Hardy is given protection in winter. Pot-grown plants, 40c. each.

#### TOMATO PLANTS (Ready after April 15th)

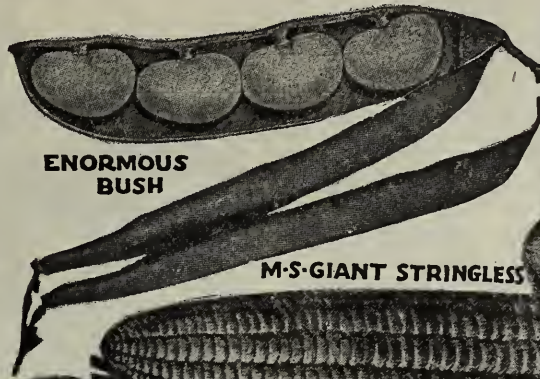
**Pot-Grown Plants in the following varieties only:** Earliana, M.-S. Incomparable, M.-S. Big Chief, Stone. 5c. each; doz., 50c.; \$4.50 per 100. By mail, add 2c. per plant.

**Hot-Bed Plants all kind and the best as above.** 20c. per doz.; per 100, 75c. By mail, allow 5c. per doz. 15c. per 100.



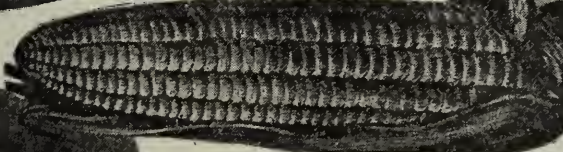


**SOUTHERN PRIDE**



**ENORMOUS BUSH**

**M.-S. GIANT STRINGLESS**



**SNOW-WHITE EVERGREEN**



**BELVEDERE**



**PERFECTION BUSH**

**COPENHAGEN MARKET**



**COOL & CRISP**



**EARLY MARVELOUS**

**EARLY CARDINAL**

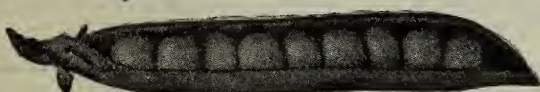


**GREEN CURLED BEAUTY**



**BIG CHIEF**

**DELMONICO**



**WORLD'S RECORD**

## M-S Collections of Vegetable Seeds



You will see from the lists below that the varieties offered in these collections will please everybody.

The "collection idea" of Vegetable Seeds is getting more popular each year; so many persons, even gardeners of many years' experience, sometimes do not know the varieties to order. They often use the same sorts year after year, thus missing some of the better and newer strains of vegetables. These collections have also a decided feature of advantage, as they save time and money. The most popular kinds of vegetables are used in these collections and will be found very practical to every household.

### M-S DOLLAR VEGETABLE GARDEN

POSTPAID ANYWHERE IN U. S.

Order one or more of these collections and you will find this one of the best investments you ever made. It will be noticed below that we offer these in quantities as some persons may wish to order for their friends who are interested in gardening.

**BEANS**—M.-S. Giant Stringless  
**LIMA BEANS**—M.-S. Enormous Bush  
**BEEF**—M.-S. Early Marvelous  
**CABBAGE**—M.-S. Copenhagen Market  
**CARROT**—M.-S. Southern Pride  
**SUGAR CORN**—M.-S. Snowwhite Evergreen  
**CUCUMBER**—M.-S. Cool and Crisp  
**LETTUCE**—M.-S. Belvedere  
**PEAS**—M.-S. World's Record  
**RADISH**—M.-S. Early Cardinal  
**SWISS CHARD**—M.-S. Delmonico  
**SQUASH**—M.-S. Perfection Bush  
**TOMATO**—M.-S. Big Chief  
**PARSLEY**—M.-S. Green Curled Beauty

6 COLLECTIONS FOR \$ 5.50, POSTPAID.  
 12 COLLECTIONS FOR \$10.00, POSTPAID.

### M-S SUBURBAN COLLECTION VEGETABLE SEEDS, FOR LARGER GARDENS, \$2.00

POSTPAID ANYWHERE IN U. S.

A liberal sized list of the best and most desirable, embracing some of those in the "Dollar Garden," with increased quantity and with other good ones added.

**POLE BEANS**—M.-S. Golden Cluster Wax  
**BEANS**—M.-S. Giant Stringless  
**LIMA BEANS**—M.-S. Enormous Bush  
**BEEF**—M.-S. Early Marvelous  
**CABBAGE**—M.-S. Copenhagen Market  
**CANTALOUPE**—M.-S. Golden Wonder  
**CARROT**—M.-S. Southern Pride  
**SUGAR CORN**—M.-S. Snowwhite Evergreen  
**SUGAR CORN**—M.-S. Country Gentlemen  
**CUCUMBER**—M.-S. Cool and Crisp  
**CELERY**—M.-S. Magnificent  
**KOHL RABI**—Earliest White Vienna  
**LETTUCE**—M.-S. Belvedere  
**PARSLEY**—M.-S. Green Curled Beauty  
**PEAS**—M.-S. Alaska  
**PEAS**—M.-S. World's Record  
**RADISH**—M.-S. Early Cardinal  
**SQUASH**—M.-S. Perfection Bush  
**SWISS CHARD**—M.-S. Delmonico  
**TOMATO**—M.-S. Incomparable  
**TOMATO**—M.-S. Big Chief  
**TURNIP**—M.-S. Early Champion  
**SPINACH**—M.-S. Savoy  
**WATERMELON**—M.-S. Sweet Heart

These collections are put up in advance of our busy season and we regret that we cannot make any change in any way.



## ASPARAGUS—Seeds and Roots

(ROOTS READY AFTER MARCH 1st.)

One ounce to forty feet of drill. 5 lbs. per acre.

**Culture**—Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth

of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, top-dress with six inches of manure. For market, on a large scale, set out four by one and one-half feet. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris-green.



Asparagus Giant Argenteuill

**Giant Argenteuill**—A new and entirely distinct variety that produces shoots that are white, and remain white as long as fit for use. Pkg., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Columbian Mammoth White**—Pkg., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

**Conover Colossal**—Of large size, tender and of excellent quality. Green shoots. Pkg., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

## PALMETTO

It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

FOR PLANTS SEE PAGE 4.

## ACCESSORIES FOR ASPARAGUS CULTURE

PRICES SUBJECT TO CHANGE.



**Asparagus Buncher**—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tried and looks uniform. With Knife Guard, \$3.00.

Parcel post weight, 8 lbs.

**Asparagus Knife**—V-shaped blade, 50c. Parcel post weight 1 lb.

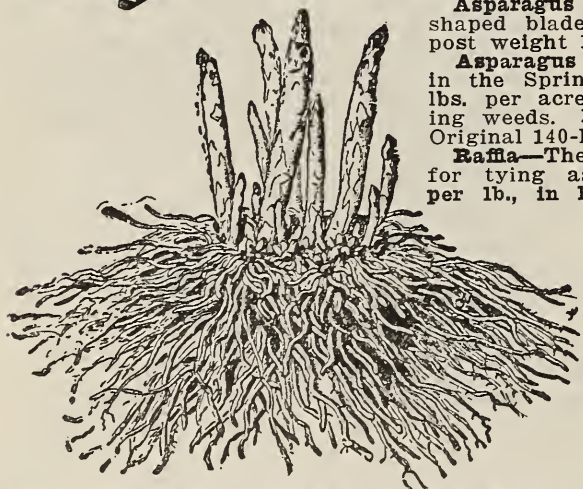
**Asparagus Salt**—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 100 lbs., \$2.00. Original 140-lb. Sacks, \$2.50.

**Raffia**—The ideal material for tying asparagus. 50c. per lb., in hanks. Special price in quantity; hank runs about 2½ lbs.

**Jute Twine**

—Very soft and pliable.

25c. per ball. Special price on quantities on application.



Two-Year Old Asparagus Plants See Page 4.

Your Burpee's Stringless Beans are wonderful. From 75 cents while they were bearing.

SPECIAL OFFER PAGE 1.

## ARTICHOKES

**Large Green Globe**—This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt., 10c.; oz., 50c. Plants See Page 4.

**Artichoke Roots (Jerusalem)**—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk.

Price See Page 4.

## BRUSSELS SPROUTS

One ounce will produce 2000 plants.

A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resembling Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.

**Improved Dwarf**—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; lb., \$3.00.

See Page 4.

Plants, per Dozen.

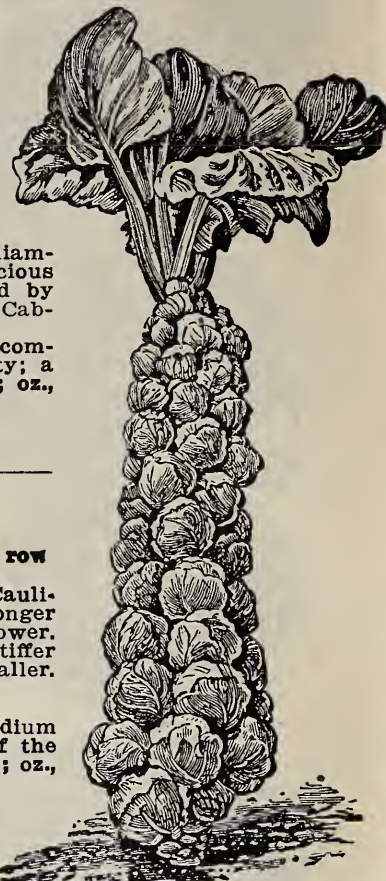
## BROCCOLI

One ounce of seed to 200 feet of row

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves and the heads are smaller. Treat same as Cabbage.

**Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 50c.

**Early Purple Cape**—Rather hardier sort, with greenish-purple heads, good flavor. Pkt., 10c.; oz., 50c.



Brussels Sprouts Improved Dwarf

## BEANS

**Culture**—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre. We furnish 5c. and 10c. packages of all Beans.

The round, light green pods, giant in size, are absolutely stringless and unsurpassed in tenderness. For the garden, there are few that will give better satisfaction. Pt., 30c.; qt., 60c.; pk., \$3.25.

## BUSH BEANS (Green Pod)

### M.-S. GIANT STRINGLESS GREEN-POD BEANS

**Hopkins Improved Extra Early Red Valentine**—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pt., 30c.; qt., 60c.; pk., \$3.25.

**Burpee's Stringless Green Pod**—An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pt., 30c.; qt., 60c.; pk., \$3.25.

**Black Valentine, or May Queen**—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pt., 30c.; qt., 60c.; pk., \$3.25.

(Beans continued on next page)

From 75 cents worth of seed I put up 50 quarts and used fresh beans every day while they were bearing. MRS. MARION B. DAVIS, Elkridge, Md.





M.-S. Giant Stringless Green Pod Beans

**Dwarf Horticultural, or Cherry**—This is a broad, long, flat, meaty bean, very productive, delicious flavor. It also makes a good dried bean for winter. Pt., 30c.; qt., 60c.; pk., \$3.25.

**M.-S. Longfellow**—Vigorous in growth. Sixteen inches tall, bearing abundance of handsome green pods, 5 to 6 inches long, round, slightly curved, stringless when young, of good quality. We advise our trucker customer to give this valuable bean a trial. Pt., 30c.; qt., 60c.; pk., \$3.50.

**White Navy, or Boston Pea Beans**—Yields large quantities of white shell beans, which are used for baking. Pt., 25c.; qt., 50c.; pk., \$2.50.

**White Kidney**—Used principally as a dried bean; also very satisfactory in its green state. Pods, 6 to 7 inches long, flat and nearly straight. Pt., 35c.; qt., 65c.; pk., \$4.00.

**Red Kidney**—Like the above, but the seed when ripe is brick red, very rich quality and fine flavor. Pt., 35c.; qt., 65c.; pk., \$4.00.

We furnish 5c. and 10c. packages of all Beans.

## WAX POD VARIETIES

**M.-S. SURE CROP STRINGLESS WAX**—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pod. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Currie's Rust-Proof Black Wax**—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Dwarf Black Wax**—Pencil pod strain. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Round Pod Kidney Wax**—This mid-season variety is exceedingly handsome and very desirable, especially for snaps for the home garden. Vines dwarf, spreading and very productive. Leaves roughened. Pods long, slightly curved, light yellow, wax-like, stringless and of the best quality. They are uniformly perfect, an ill-shaped one being rarely seen. Seed long, cylindrical, medium-sized, nearly white, with a little dark marking about the eye. Pt., 35c.; qt., 70c.; pk., \$4.00.

**M.-S. Legume Incubator for All Kinds of Beans**—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 45c.; 75c. per acre bottle; 2 acres, \$1.45; 4 acres, \$2.25; 6 acres, \$3.00. It will pay you to use this when you plant peas and beans. (See index.)

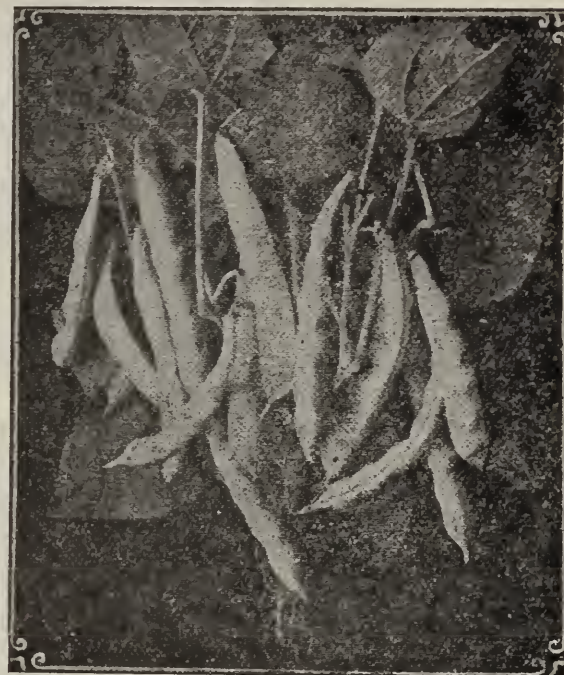
**Davis White Kidney Wax**—Pods remarkably straight, long and handsome, waxy white color; enormously productive; seed white. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Wardell's Kidney Wax**—In growth of vine and productivity this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Improved Golden Wax**—Small plants of erect growth, bearing flat, thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Refugee Wax**—Great bearer, pods beautiful white wax color, curved round thick and nearly stringless when young, good blight resister. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Hodson Wax**—A fine strong growing bean. Pods 6 inches long, golden waxy color. Nearly straight, thick flat and meaty. Pt., 35c.; qt., 70c.; pk., \$4.00.



M.-S. Sure Crop Stringless Wax Beans

## POLE STRING BEANS—(Green and Wax Pod)

**Culture**—Same as Pole Lima.

**M.-S. GOLDEN CLUSTER WAX**—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Yard Long, or Snake Beans**—This is an ornamental as well as useful pole bean. Producing an abundance of dark green foliage and stringless green pods, often measuring from two to three feet long, which, when cooked, make a delicious dish. Seeds very small. Pkt., 5c. and 10c.; 1 oz., 25c.

**Horticultural or Pole Cherry**—Pods green, dashed with red when beans are matured. Very showy. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Kentucky Wonder, or Old Homestead**—The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pt., 35c.; qt., 70c.; pk., \$4.00.

**Lazy Wife's, or White Cherry**—Pods six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Pt., 40c.; qt., 75c.; pk., \$5.00.

**M.-S. Kentucky Wonder Wax**—Same as above with exception of beautiful yellow pods. Pt., 35c.; qt., 70c.; pk., \$4.00.

## ENGLISH, or BROAD WINDSOR BEANS

**Culture**—Same as Bush Lima, only plant thinner. A bean similar to Lima Beans, but different flavor and larger. Should be planted early, March and April, as they are very hardy. Pt., 40c.; qt., 75c.; pk., \$5.00.

We furnish 5c. and 10c. packages of all Beans.

## BUSH LIMA BEANS

1 qt. to 100 feet of drill.

**Culture**—Plant in rows two feet apart, and about one foot apart in the rows.

**M.-S. ENORMOUS BUSH LIMA BEANS**—As the name applies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Henderson's Dwarf Lima**—Beans are small, but their flavor is excellent. Pt., 30c.; qt., 60c.; pk., 3.50.

**Burpee's Bush Lima**—Pods abundantly and well filled with handsome beans. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Fordhook Bush Lima**—Beans large, round, thick, green and of delicious flavor, bearing in clusters of from four to eight, averaging four large beans to the pod. Pt., 40c.; qt., 75c.; pk., \$5.00.

The M.-S. Giant Stringless Beans I got from you produced the finest crop of beans I ever had. JOHN FISHER, Bengies, Md.



## POLE LIMA BEANS

**Culture**—These require pole eight to ten feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant four to six beans, about one inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 quart to 100 poles.

## KING OF THE GARDEN

Vigorous grower, bearing large pods, five to eight inches long. Beans large and of rich flavor. **Pkt.**, 35c.; **qt.**, 70c.; **pk.**, \$4.00.

**Dreer's Improved, or Potato Lima**—Beans round and thick, delicious flavor, easy to shell, immense cropper. **Pt.**, 40c.; **qt.**, 75c.; **pk.**, \$5.00.

**Carpenteria Early Lima**—Very fine, immense beans, which retain their green color a long while. **Pt.**, 35c.; **qt.**, 70c.; **pk.**, \$4.00.

## TABLE BEETS

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

**Culture**—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as June. When the plants have attained three or four inches in height, thin out so that they stand five or six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

### "M.-S." EARLY MARVELOUS BEET.

The Ideal Beet for the market or home garden, in shape it is nearly a perfect globe about 10 inches around with smooth skin free from rootlets, the

flesh is a rich blood red nicely ringed, never stringy and always tender and sweet; excellent for canning.

#### Pkg.,

5c. and 10c.

Oz., 15c.

¼ lb., 35c.

1 lb., \$1.00.

#### Crosby's Improved Egyptian.

Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c.

(Fig. 1.)

#### "M.-S." Early Marvelous Beet

**Extra Early Flat Egyptian**—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 30c.; **lb.**, 90c.

(Fig. 5.)

**Extra Early Eclipse**—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table qualities. Makes an attractive seller in market. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c. (Fig. 4.)

**Edmand's Blood Turnip**—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size. Color dark red, flesh purplish red, crisp, tender and sweet. An excellent keeper. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c. (Fig. 7.)

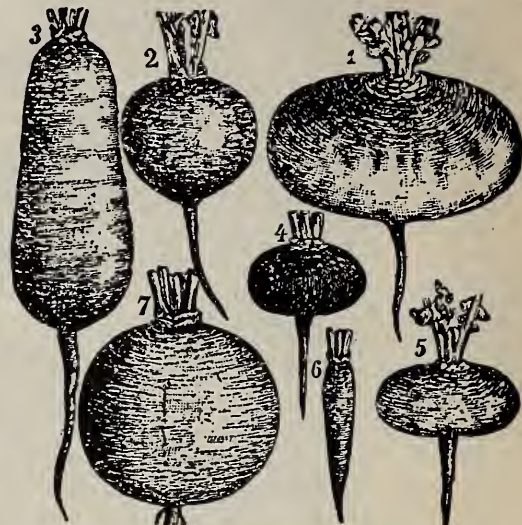
**Detroit Dark Red**—(Fig. 2.) Blood red, early, turnip-shaped variety. Has small, upright tops; fine round shape. Skin and flesh dark blood-red. Very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market gardeners. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c.

**Long Smooth, Dark Blood**—(Fig. 6.) This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. **Pkt.**, 5c.; **oz.**, 10c.; ¼ **lb.**, 30c.; **lb.**, 90c.

Beet Plants See Page 4.

**Crimson Globe**—A second early variety, does not grow large and coarse, the matured beets being medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. **Pkt.**, 5c. and 10c.; **oz.**, 15c.; ¼ **lb.**, 30c., **lb.**, 90c.

Swiss Chard See Page —.



## COW BEETS (Mangel-Wurzel)

Used for feeding cattle. sow five pounds per acre.

**Culture**—Sow in April and May in thoroughly plowed, well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

### SLUDSTRUP BARRES MANGEL.

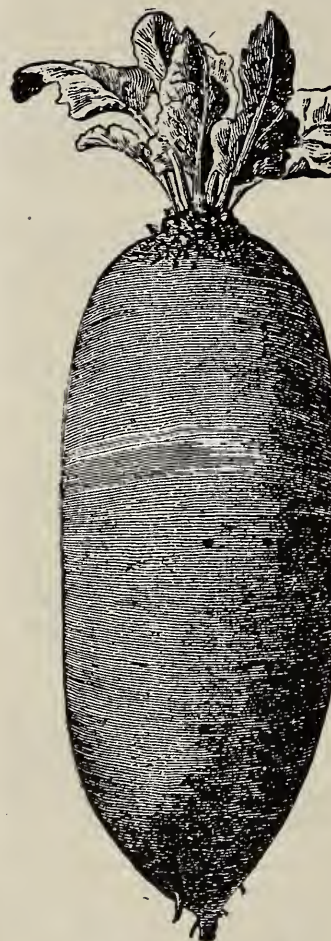
Recently introduced from Denmark. The finest, largest and most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. **Oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c.; 5 **lbs.**, \$3.00.

**Jumbo Mangel**—Immense, long, red, very fine quality. **Oz.**, 10c.; ¼ **lb.**, 20c.; **lb.**, 60c.; 5 **lbs.**, \$2.50.

**Gate Post Mangel**—Large, yellow, excellent sort. **Oz.**, 10c.; ¼ **lb.**, 20c.; **lb.**, 60c.; 5 **lbs.**, \$2.50.

**Mammoth Long Red**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. **Oz.**, 10c.; ¼ **lb.**, 20c.; **lb.**, 60c.; 5 **lbs.**, \$2.50.

**Golden Tankard**—(Fig. 3.) The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. **Oz.**, 10c.; ¼ **lb.**, 20c.; **lb.**, 60c.; 5 **lbs.**, \$2.50.



Gate Post Mangel

**Improved White Sugar Beet**—An improvement on the other varieties of sugar beets, harder, and containing a greater percentage of sugar. **Oz.**, 10c.; ¼ **lb.**, 25c.; **lb.**, 75c.; 5 **lbs.**, \$3.00.



**CABBAGE**

One ounce will produce about 2500 plants; one-quarter pound for transplanting an acre.

**Culture**—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession. Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

**EARLY VARIETIES**

**M.-S. COPENHAGEN MARKET**—A valuable new early cabbage from Denmark, producing a large globe-shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. Pkt., 5c. and 10c.; oz., 40c.; ¼ lb., \$1.25; 1 lb., \$4.00.

**New Early**—The largest of the early cabbage. The head is roundish flat and remarkably solid. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Early Flat Dutch**—A dwarf-growing type, principally used for early summer. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.



Early Jersey Wakefield Cabbage

**EARLY JERSEY WAKEFIELD.**

The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**LARGE CHARLESTON WAKEFIELD.**

Similar to Early Jersey, but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**EARLY YORK.**

Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.

**EARLY WINNIGSTADT.**

One of the best medium early pointed cabbages, very hearty and heading. Heads of good size, very hard and of excellent quality. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.

**ALL HEAD EARLY.**

A thoroughbred sort, especially recommended on account of its uniform size and shape and reliability for heading. Makes a deep, flat head, solid and uniform in color, shape and size. In tenderness it is unsurpassed. Can be grown either for summer or winter use. By reason of its compactness it can be planted closer and will yield more heads to the acre than varieties of a more spreading habit. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.



M.-S. PERFECTION DRUMHEAD SAVOY CABBAGE.

**LATE, or WINTER VARIETIES**

**All seasons. (Vandergaw)**—A very large head, round and solid. It is valuable for Summer or Winter use. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Danish Ballhead**—An elegant medium late variety. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Late Flat Dutch**—(Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Large Late Drumhead**—Much like the above except the heads are not quite as large nor as flat. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Perfection Drumhead Savoy**—A beautifully crimped - leaved sort, color a deep glossy green. The head is almost round. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Red Dutch Drumhead**—A red variety, used extensively for pickling. Pkt., 5c. and 10c.; oz., 40c.; ¼ lb., \$1.50; 1 lb., \$5.00.

**CABBAGE PLANTS, SEE PAGE 4.**



Red Dutch Drumhead

**CHINESE CABBAGE or CELERY**

**Pe Tsai**—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled minced and seasoned with butter, it is especially delectable. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; 2 oz., 75c.; ¼ lb., \$1.25.

**SECOND EARLY VARIETIES****EARLY DRUMHEAD.**

A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**HENDERSON EARLY SUMMER.**

The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**SUCCESSION.**

A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**SUREHEAD.**

As its name indicates, this is a sure header and one of the most reliable main crop and late cabbages. Heads are large, thick, somewhat flattened, very uniform in size and color, firm and solid, keeps well and makes a splendid shipper. Heads ordinarily weigh 10 to 12 pounds each, and of the finest quality. Surehead has all the good qualities that make for a first-class main crop cabbage. Pkt., 5c. and 10c.; oz., 30c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**CABBAGE PLANTS SEE PAGE 4.**



## CARROT

One ounce to 100 feet of row. 2 or 3 lbs. to the acre.

**Culture**—A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil.

For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

**M.-S. SOUTHERN PRIDE**—An ideal medium early, stump-rooted Carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best carrot for home garden or market. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Parisian Forcing**—Extremely early, of small size, but very sweet, tender and beautiful orange red color. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

**Chantenay**—Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a

heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

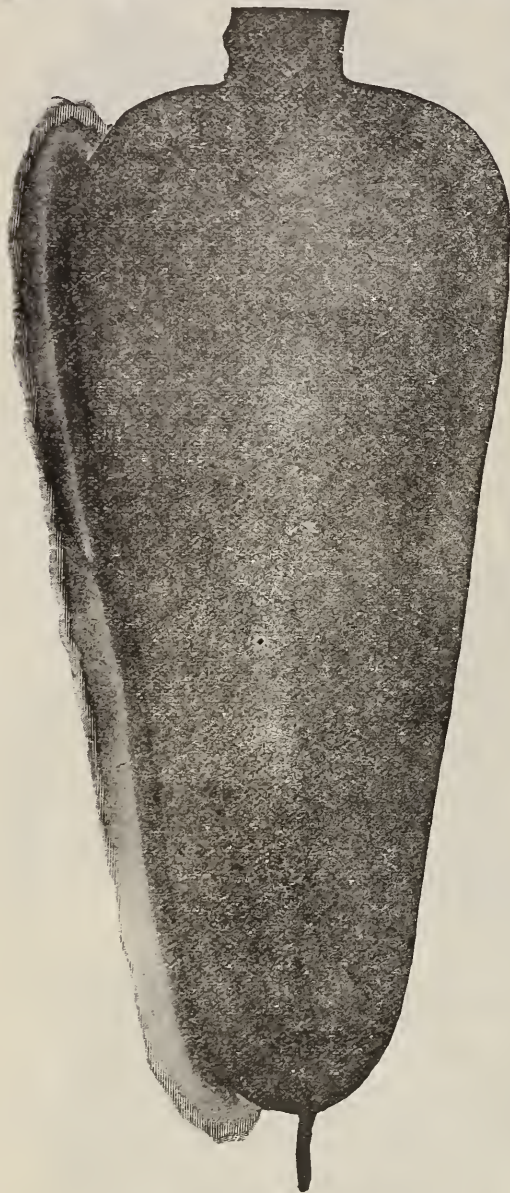
**Pride of Market Carrot**—Similar to the above. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Danvers, or Half-Long Orange**—Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is some what longer, thicker and a better keeper than the Chantenay. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Guerande, or Oxheart**—A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Long Orange Improved**—The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**White Belgian**—Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for turning under, being a valuable humus maker. It is 8 to 10 inches long, has green top. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.



M.-S. Southern Pride Carrot

## CAULIFLOWER

One ounce of seed for 1,500 plants.

**Culture**—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows four feet apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

**M.-S. EARLY SNOWBALL**—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt., 10c., 25c. and 50c.; oz., \$2.00.

**Dry Weather or Danish Giant**—The great drought resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt., 10c., 25c., 50c.; \$2.50 per oz.

**Select Early Dwarf Erfurt**—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt., 10c., 25c. and 50c.; oz., \$2.00.

**Veitch's Autumn Giant**—A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt., 10c.; oz., 75c.



CAULIFLOWER PLANTS, PAGE 4.

## CORN SALAD

**Culture**—Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September.

**Large Leaved**—Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.



Large Leaved Corn Salad

## SWEET, or SUGAR CORN

One quart will plant 200 hills; eight quarts in hills to acre.

**Culture**—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

**Extra Early Adams**—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pt., 20c.; qt., 35c.; pk., \$1.75.

**Early Adams**—Similar to Extra Early Adams; larger, but not so early. Pt., 20c.; qt., 35c.; pk., \$1.75.

**Country Gentleman or Shoe Peg**—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Pt., 25c.; qt., 40c.; pk., \$2.25.

**Early Mayflower**—This new Sugar Corn is a wonder, as early as any, but fine shaped, medium sized ears. Pt., 25c.; qt., 40c.; pk., \$2.25.

**Howling Mob**—Another new early Sugar Corn, with fine, large ears, excellent for truckers. Pt., 25c.; qt., 40c.; pk., \$2.00.

**SUGAR CORN**—Continued on Next Page.

Gentlemen—Ship me 2 bushels of Extra Early Alaska Peas like I had last year, they were the finest I ever grew.

W. H. NORTON, Deltaville, Va.



**SUGAR CORN—Continued.**

**M-S. SNOW WHITE EVERGREEN SUGAR CORN**—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. **Pt., 25c.; qt., 40c.; pk., \$2.25.**

**M-S. Evergreen Egyptian Strain Sugar Corn**—This is a strong growing corn, making fodder equal to field corn, matures in 85 days, bearing fine large uniform ears which are as sweet as sugar. **Pkt., 25c.; qt., 40c.; pk., \$2.25.**

**Stowell's Evergreen**—Matures for table in about 80 days from germination. **Pt., 25c.; qt., 40c.; pk., \$2.00.**

**Peep-O-Day**—This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. **Pt., 25c.; qt., 40c.; pk., \$2.25.**

**GOLDEN CREAM**—The originator says: "It is good enough to eat raw." It is a cross between Country Gentleman and Golden Bantam; has the color of the latter and the fine quality of the former. It is really a very early yellow Country Gentleman—that means earliness, good size and first-class roasting ears. **Pt., 25c.; qt., 40c.; pk., \$2.25.**

**Golden Bantam**—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. **Pt., 25c.; qt., 40c.; pk., \$2.25.**

**Black Mexican**—An old favorite, being very tender and sweet. **Pt., 25c.; qt., 40c.; pk., \$2.25.**

**Early Mammoth**—Large ear, and early; splendid early market sort. **Pt., 25c.; qt., 40c.; pk., \$2.00.**

**Stowell's Evergreen on Ears**—Each, 10c.; dozen, \$1.00.

**Late Mammoth Sugar**—The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. **Pt., 25c.; qt., 40c.; pk., \$2.00.**

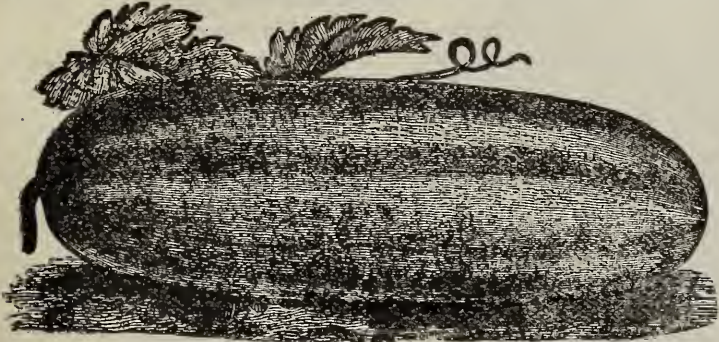
**M-S. Snow White Evergreen Sugar Corn**

**Red Cob, or 90-Day Corn**—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. **¼ pk., 50c.; pk., \$1.75.**

**CUCUMBER**

One ounce will plant fifty hills; two pounds, one acre.

**Culture**—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.



**Early Fortune Cucumber**

**M-S. COOL AND CRISP**—Ideal for home and market gardening. Extra early and very prolific, long straight, slender and very dark green; good either for pickling or slicing. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**

**Early Fortune**—A great favorite with our Anne Arundel County farmers for its early maturity productiveness, uniformity in large size and dark green color. **Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**New Klondike**—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. **Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**Improved Early White Spine**—The old standard favorite. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.** Special prices on large quantities.

**Arlington White Spine**—Another standard sort. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.** Special prices on large quantities.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.**

**Jersey Pickle**—Productive and said to "green" better than any other variety, and to "hold color." **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Livingston's Evergreen**—A very strong grower, very early, bears firm, crisp fruit, which is excellent for slicing or pickling. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.**

**Early Green Cluster**—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.**

**Small Gherkin, or Burr**—Used only for pickling while young and tender. **Pkt., 5c. and 10c.; oz., 25c.**

**Danish Pickling Cucumber**—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. **Pkt., 10c.; oz., 25c.**

**Japanese Climbing**—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable interesting novelty. **Pkt., 5c. and 10c.; oz., 20c.**

**English Forcing Telegraph Cucumber**—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. **Pkt. of 12 seeds, 25c.; 100 seeds, \$1.25.**

**CELERY**

One ounce will produce about 2000 plants.

**Culture**—Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties three feet, and the taller sorts four feet between the rows; plant six inches apart in the rows. Cultivate well, and when large enough, blanch by earthing-up. The first operation is that of "handing," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

**M-S. MAGNIFICENT**—It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. **Pkt., 10c.; oz., 25c.; ¼ lb., 75c.**

**M-S. MONARCH**—This variety is a decided acquisition in green Celery, producing large stalks, and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor, and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. **Pkt., 10c.; oz., 25c.; ¼ lb., 75c.**

**French Golden Self-Blanching**—For early use; preferred by many to all other sorts; as self-blanching as white Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautiful waxy golden color. Grows to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Seed supply very limited. **Pkt., 10c. and 25c.; oz., \$1.00 ¼ lb., \$3.50; 1 lb., \$13.50.**

**American Self-Blanching**—**Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.**  
**White Plume**—Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; 1 lb., \$1.50.**



**M-S. Magnificent**

Mr. Joe Polaski, of Severn, Md., tells us that in his long experience of growing Cucumbers he has never had any Cucumbers as handsome as the ones that he raised from the new Klondike Seed which he purchased from us last season.



**CELERY—Continued.**

**Giant Pascal**—The stalks are very large, thick, solid, crisp and of a rich, nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.**

**Golden Heart**—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.**

**Boston Market**—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.**

**Winter Queen**—This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.**

**Victory**—Runs a close second to the above, very similar. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.**

**CELERY PLANTS, SEE PAGE 4.**

**Giant Prague Celeriac**—This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe-shaped, smooth, with only a few roots at the bottom. Flavor is excellent. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.**

**Giant Prague Celeriac****CRESS**

**Water Cress**—Sow early in spring near pond or running water; when established will last for years. **Pkt., 10c.; oz., 50c.**

**Land Cress or Pepper Grass**—Sow in early spring in rows, two feet apart, and repeat often as it runs to seed very quick. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.**

**Chervil**—Sow like the above, used as a salad seasoner. **Pkt., 5c. and 10c.; oz., 25c.**

**EGGPLANT**

One ounce will produce about 1,000 plants.

**Culture**—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

**M.-S. EBONY KING**—As its name implies it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. **Pkt., 10c.; ½ oz., 25c.; 1 oz., 50c.; ¼ lb., \$1.75.**

**Florida High Bush**—It bears its eggs or fruit sometimes two to four feet above the ground, thus escaping liability of rot. Purple, large size and good quality. **Pkt., 5c. and 10c.; oz., 40c.; ¼ lb., \$1.50.**

**New York Improved Purple**—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. **Pkt., 5c. and 10c.; oz., 40c.; ¼ lb., \$1.50.**

**Black Beauty**—The earliest large variety; color rich, dark purple. **Pkt., 5c. and 10c.; oz., 40c.; ¼ lb., \$1.50.**

**Eggplant Plants—See Page 4.**

**Black Beauty Eggplant****ENDIVE**

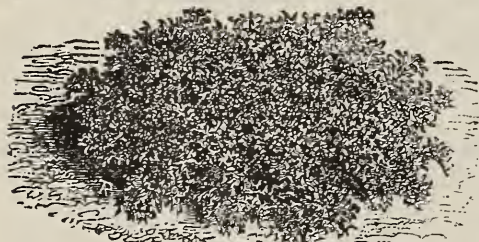
**Culture**—Sow in June, July and August; cover lightly; when up, thin out to eight inches apart, and water well afterward, if dry. When the leaves are 6 or 8 inches long, blanch by gathering in the hand and tying together near the top with

yarn or bast. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

**Green Curled**—Tender and crisp. **Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.**

**White Curled**—Self-blanching. Very tender when young; blanches readily. **Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.**

**Broad Leaved Batavian (Escarrole)**—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. **Pkt., 5c. and 10c.; 1 oz., 15c.; ¼ lb., 40c.; lb., \$1.25.**

**Green Curled Endive****WHITLOOF CHICORY, or FRENCH ENDIVE**

**Whitloof Chicory, or French Endive**—Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 90c.**

**Large Rooted Chicory**—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. **Pkt., 5c. and 10c.; oz., 25c.**

**Whitloof Chicory****GEORGIA COLLARDS**

**Georgia Collard**—Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.**

**KALE or BORECOLE**

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

**Culture**—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter.

The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

**Borecole—Hardy Winter**

**Borecole, Hardy Winter**—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are cut. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.**

**Emerald Isle Kale**—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.**

**Dwarf Green Kale**—**Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Tall Scotch**—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.**

**New Imperial Curled Long Standing**—The leaves are very crimp and of a dark green color. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Mossback**—A very curled compact plant of dwarf growth, quite hardy. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.**

**Dwarf Green Curled Scotch, or Norfolk**—One of the most popular shipping sorts; very largely used in Norfolk trucking district. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.**

**BORECOLE PLANTS—SEE PAGE 4.**



# M.-S. CHOICE STRAINS OF LETTUCE

Don't Forget to Order the Great \$1.00 Vegetable Collection Offered on Page 1

TWO OUNCES OF SEED TO 100 YARDS OF ROW; ONE OUNCE FOR 2,000 PLANTS.

**CULTURE**—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For winter use sow the seed in September in hotbeds and follow it with other sowings for succession.



**M.-S. BELVEDERE LETTUCE**

**M.-S. BELVEDERE LETTUCE**—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The **M.-S. Belvedere** is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. **Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.**

**Best of All**—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 40c.; 1 lb., \$1.50.**

**M.-S. ALL-RIGHT**—For early Spring and Fall sowing. Produces beautiful light green heads, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Grand Rapids**—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**California Cream Butter**—A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Improved Hanson**—Large, compact, reliable header; outside leaves curled. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**



**Big Boston Lettuce**

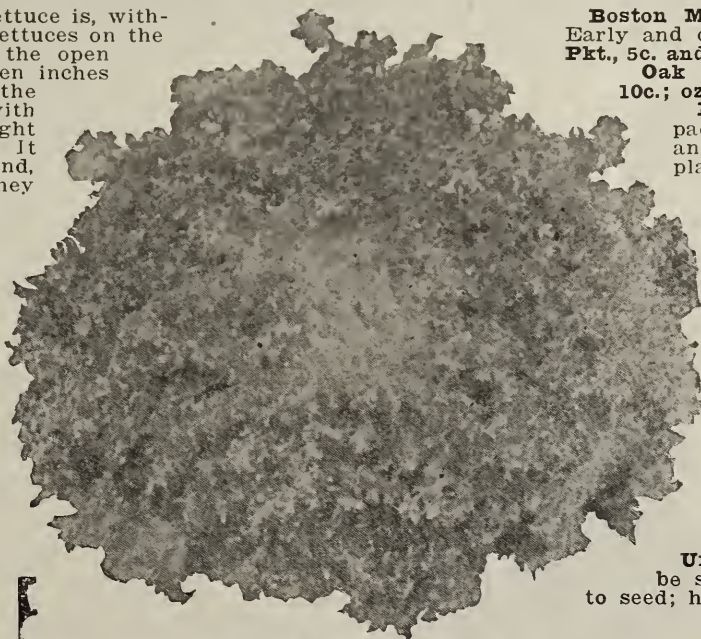
**Big Boston**—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**May King**—This valuable new Lettuce is, without any question, one of the best Lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**



**Romain White Cos Lettuce**

**Romain White Paris Cos**—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 40c.; 1 lb., \$1.50.**



**Black Seeded Simpson Lettuce**

**Black Seeded Simpson Lettuce**—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. **Pkt., 5c. and 10c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Boston Market, or White-Seeded Tennisball**—Early and compact, quite desirable, good forcer. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Oak Leaf**—Quite popular. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Improved White Loaf**—Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**Defiance**—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**M.-S. STRAIN ALL-SEASON**—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**

**Way-a-Head**—Similar to the above, but suitable for all-season in or outdoor planting. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.**

**Unrivaled**—This grand new lettuce can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**

**LETTUCE PLANTS,  
POPULAR VARIETIES,  
SEE PAGE 4.**

Gentlemen—I want to inform you that when all other Lettuce had gone to Seed and was burned up, I was still hauling fine heads of Lettuce produced from your **M.-S. Belvedere Lettuce Seed**.  
Yours truly,  
JOHN COMES, Fullerton, Md.



## HERBS

**Culture**—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

**Borage**—Pkt., 5c. and 10c.

**Caraway**—Seeds used to flavor bread. Pkt., 5c. and 10c.; oz., 25c.

**Coriander**—Pkt., 5c. and 10c.

**Dill**—The seeds are used as a condiment and for pickling. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

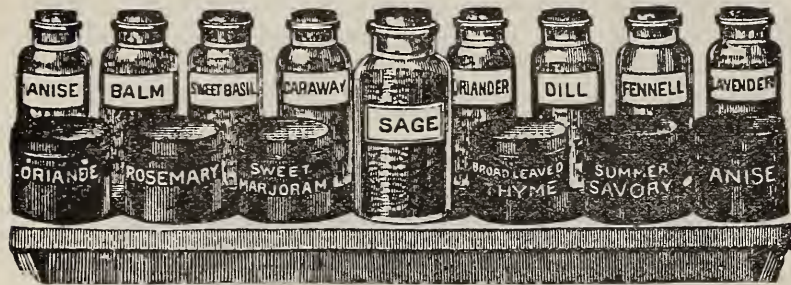
**Fennel**—Pkt., 5c. and 10c.

**Horehound**—For medicinal purposes and flavoring. Pkt., 5c. and 10c.

**Lavender**—For flavoring and perfumery. Pkt., 5c. and 10c.

**Martynia**—Produces long green pods which are used for pickling. Pkt., 5c. and 10c.; ½ oz., 25c.

**Pot Marigold**—Pkt., 5c. and 10c.



**Rosemary**—Leaves are used for seasoning. Pkt., 5c. and 10c.

**Rue**—Pkt., 5c. and 10c.

**Sage**—For seasoning and dressing. Pkt., 10c.; oz., 50c.

**Summer Savory**—Used for flavoring. Pkt., 5c. and 10c.; oz., 50c.

**Sweet Basil**—For flavoring soups. Pkt., 5c. and 10c.; oz., 25c.

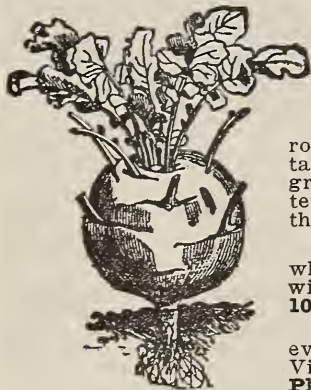
**Sweet Marjoram**—Leaves and ends of shoots used for seasoning. Pkt., 10c.; oz., 50c.

**Saffron**—For medicinal and coloring purposes. Pkt., 5c. and 10c.

**Thyme (Broad Leaf)**—For seasoning, also for making tea for nervous headache. Pkt., 5c. and 10c.; oz., 50c.

**Woodruff**—A sweet scented herb which is used as essence in the German Maitrank. Pkt., 15c.

**Wormwood**—Pkt., 5c. and 10c.



## KOHL-RABI

One ounce will sow 150 feet of drill. This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

**Earliest White Vienna**—Greenish white outside, with clear white flesh within. Smooth, short leaf. Pkt., 5 and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

**Earliest Purple Vienna**—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.

KOHL-RABI PLANTS—SEE PAGE 4.

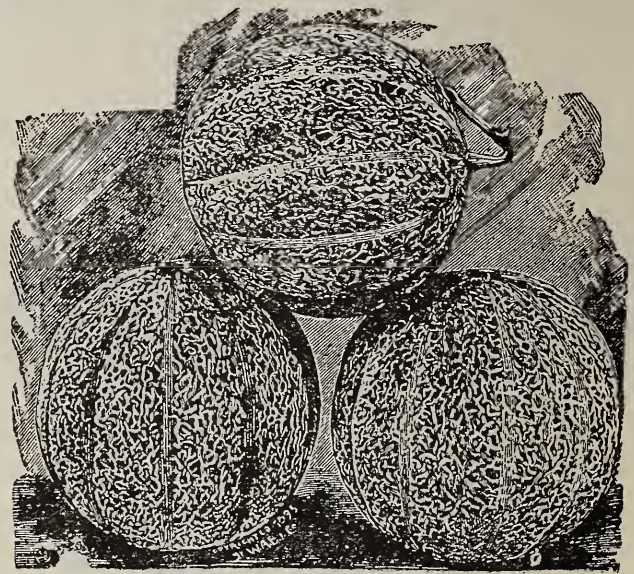
## NEW HONEY DEW CANTALOUPE OR MELON

Honey Dew produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana—to have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving, as (like a Casaba) they apparently are at their best when a trifle over-ripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: Packet, 10c.; oz., 40c.; ¼ lb., \$1.25.

## MUSKMELON, or CANTELOUPE

One ounce will plant about 50 hills; two to three pounds in hills to acre.

**Culture**—Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on piece of sod.



Rocky Ford Cantaloupe

**M.-S. GOLDEN WONDER CANTALOUPE**—Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50.

**Rocky Ford**—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Bottomly Cantaloupe**—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers. Medium size, round, deeply netted, green flesh and delicious flavor. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.

**M.-S. DELICIOUS GOLD-LINED ROCKY FORD CANTALOUPE**—This strain of the Eden Gem type is the result of several years selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meat, fine grained and sweet; color, green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.

**Early Netted Gem**—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Emerald Gem**—Small, green skin, delicious yellow flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.25.

**Acme, or Baltimore Nutmeg**—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Jenny Lind**—Very early, small, round, netted and of fine quality; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.25.

**Hackensack, or Turk's Cap**—A very fine, large sort; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Miller's Cream, or Osage**—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.25.

**Knight Cantaloupe**—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

**Banana**—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.

**Montreal Market**—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the Fall months. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.25.

Gentlemen—For the last four years we have been buying seeds from you and everything turned out to our entire satisfaction.  
Yours truly,  
R. C. RANDLE, Farm Manager, Maryland School for the Blind.



## WATERMELON

One ounce for thirty hills; four to five pounds for an acre.

**Culture**—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

### TRY THESE IN YOUR NEXT GARDEN.

**NEW M-S. GOLDEN HEART WATERMELON**—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. **Pkt., 10c.; oz., 25c.; ¼ lb., 75c.**

**M-S. SWEET HEART WATERMELON**—The sweetest melon that grows. The best for home use and nearby markets. The dark red meat which extends almost to the rind, is of the most delicious flavor. Vines are strong and vigorous, the melons are medium to large in size. The skin is a very rich, dark green color. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Monte Cristo, or Kleckley Sweets**—Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled. The rind is thin, but sufficiently tough to stand carrying to nearby markets. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Florida Favorite**—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**McIver's Wonderful Sugar**—Resembles Old Rattlesnake, superior in quality. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Gray Monarch, or Long White Icing**—Very large, long, crimson flesh. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Mountain Sweet**—Popular sort; early and sweet. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Indian Chief**—Excellent shipper; none better for the private garden. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.00.**

**TOM WATSON**—This melon has created quite a furore wherever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat, ripening close up to the rind. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Citron**—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc.

**Pkt., 5c.; oz., 10c.; 1 lb., 75c.**



TOM WATSON WATERMELON

## MUSTARD

**White Mustard**—For salads and culinary purposes. **Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.**

**Brown Mustard**—Stronger than above. **Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.**



## PARSNIP

One ounce for 200 feet of drill; five to six pounds for an acre.

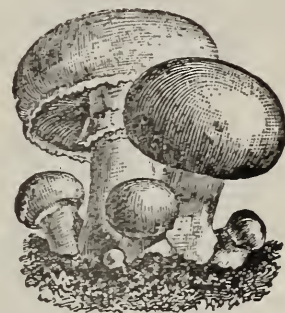
**Culture**—Sow as early in the Spring as the weather will admit, in drills 15 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

**Improved Hollow Crown**—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

## PURE CULTURE, SPORE PROCESS MUSHROOM—SPAWN

Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture, which otherwise sells for 25 cents.

**Culture**—Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water. Estimate one brick for about eight square feet of bed.



Prices for Pure Culture, Spore Process Spawn (if ordered to be sent by Parcel Post, include postage, according to zone; a brick weighs 1¼ lbs.). 1 brick, 25c.; 5 bricks, \$1.10; 10 bricks, \$2.00; 25 bricks, \$4.50; 50 bricks, \$8.50; 80 bricks, ½ case, \$12.80; 160 bricks, full case, \$24.00; latter two f. o. b. growing station.

**Mushroom, or Hotbed Thermometers**—Wood frame, heavy brass point. Price, \$1.75. Parcel post weight, 2 lbs. Iron frame and point very strong. Parcel post weight, \$1.75.

**Book on Growing Mushrooms**—Postpaid, 25 cents.

**Improved Georgia Rattlesnake**—The Old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

## OKRA, or GUMBO

Four ounces to forty feet of drill.

**Culture**—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

**White Velvet, or Lady Finger**—Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 60c.**

**Improved Dwarf Green Prolific**—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Perkins' Mammoth Podded**—A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 60c.**



Improved Dwarf Green Prolific Okra

Gentlemen—I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn. Most respectfully, MRS. J. J. GEORGE, Long Green, Md.



## ONION

**American Grown Seed.** One ounce for 100 feet of drill; six pounds for one acre.

**Culture**—For sets sow the seeds early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in the Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions of this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

**Yellow Globe Danvers**—One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the Original Danvers. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; lb., \$2.25.**

**White Silverskin**—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 90c.; lb., \$2.50.**

**Large Red Wethersfield**—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; lb., \$2.50.**

**Australian Brown**—The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., \$1.25; lb., \$4.50.**

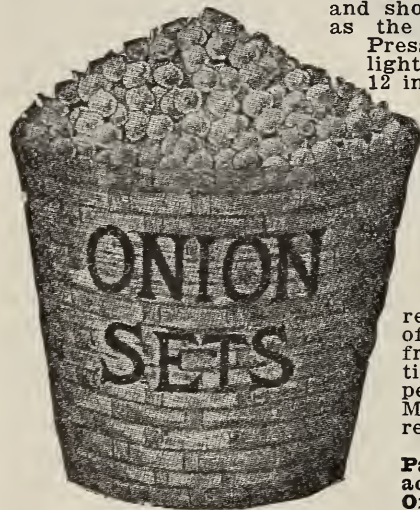
**White Bermuda**—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. In the South seed sown in the Fall will produce fine large onions for market in early Spring. **Pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.**

**Red Bermuda**—**Pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.**

**Chives Seed**—**Pkt., 10c.; oz., 75c.**

## ONION SETS

One quart will plant a row about 50 feet.



Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting set lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

If ordered to be sent by Parcel Post, include postage, according to zone; a quart of Onion Sets weighing about ¼ lbs.

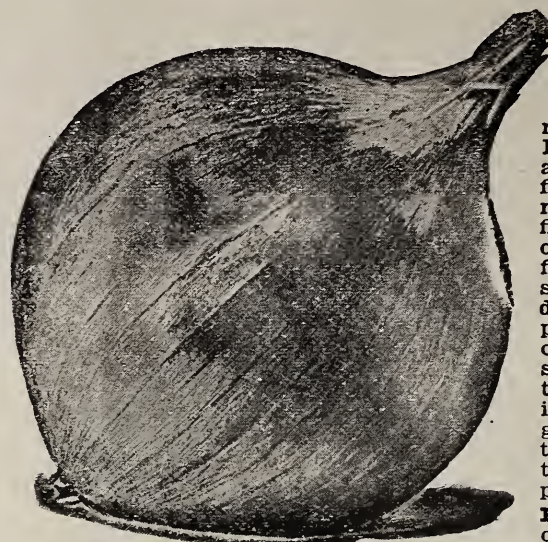
**Yellow Danvers**—**Pt., 20c.; qt., 30c.; pk., \$1.75; bu. of 32 lbs., \$5.00.**

**Large Red Wethersfield**—**Pt., 20c.; qt., 30c.; pk., \$1.75; bu. of 32 lbs., \$5.00.**

**White Silver Skin**—**Pt., 25c.; qt., 35c.; pk., \$2.00; bu. of 32 lbs., \$6.00.**

**Multiplier Onion Sets**, yellow and white, are furnished in September and October. Market price.

Price on Onion Sets subject to change.



Prizetaker Onion

**Prizetaker**—This is the large, pale yellow onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; lb., \$2.25.**

## PEPPER

One ounce will produce 1,000 plants.

**Culture**—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

**M.-S. EVERBEARING SWEET PEPPER**—Best of all, large productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an apple. **Pkt., 10c. and 25c.; ½ oz., 40c.; 1 oz., 75c.**

**Mammoth Ruby King**—Good for Mangoes or pickling, very sweet. Large, quite productive. **Pkt., 5c. and 10c.; oz., 50c.**

**Large Bell, or Bull Nose**—Large, early variety; hot flavor, thick and fleshy. **Pkt., 5c. and 10c.; oz., 50c.**

**Chinese Giant**—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. **Pkt., 10c.; ½ oz., 35c.; oz., 60c.**

**Perfection Pimento Pepper**—Compact plant of uniform growth. Bearing an abundance of perfectly sweet large peppers, which can be used in their green state or when the fruit has turned red. It is the best sweet pepper for the home garden. **Pkt., 10c.; ½ oz., 40c.; 1 oz., 75c.**

**Large Sweet Spanish**—A variety rivaling with Chinese Giant is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. **Pkt., 5c. and 10c.; oz., 50c.**

**Neapolitan**—This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. **Pkt., 5c. and 10c.; oz., 50c.**

**Long Red Cayenne**—Long, slim, and very pungent. **Pkt., 5c. and 10c.; oz., 50c.**

**Small Chili**—Small, red, conical pods. Very hot and prolific. **Pkt., 5c. and 10c.; oz., 50c.**

**Red Cherry**—A small round pepper, very hot. **Pkt., 5c. and 10c.; oz., 75c.**

**Golden Dawn**—A large yellow variety, very sweet. **Pkt., 10c.; oz., 50c.**

PEPPER PLANTS—LISTED ON PAGE 4.

Wish you would please send me to this place one of your catalogues. I want to buy a Knapsack Tree Sprayer. I have purchased all my seeds from you personally, and will say they were all perfectly satisfactory. Thanking you, I am,  
Very truly yours,  
H. S. GOVER, Derry, Pa.



# M-S SUPERIOR HAND PICKED PEAS

## Bushel Prices on Application.

Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

**Extra Early Peas**—Weigh 60 lbs. to the bushel.

**Wrinkled Peas**—Weigh 56 lbs. to the bushel.

**Culture**—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

Packets of all varieties of Peas, 5c. and 10c.

If wanted by Parcel Post, include postage, according to zone. Weight, 1 pt., 1 lb.; 1 qt., 2 lbs.; pk., 15 lbs.

Prices on all Pea Seeds are subject to market changes.

## EARLY WRINKLED VARIETIES

### M-S. WORLD'S RECORD—

The earliest wrinkled pea ever introduced. Medium vines of dark green color and heavy foliage, bearing large handsome well-filled pods measuring sometimes 4 inches and longer, filled with from 8 to 12 tender luscious Peas. The best early wrinkled variety for private and market gardeners. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Gradus, or Prosperity**—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt., 40c.; qt., 75c.; pk., \$5.00.

### M-S. LITTLE MARVEL PEA

—An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with seven to eight peas of extra fine flavor. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Thomas Laxton**—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Nott's Excelsior**—One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt., 40c.; qt., 75c.; pk., \$5.00.

**American Wonder**—Dwarfer and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt., 40c.; qt., 75c.; pk., \$5.00.



M-S. WORLD'S RECORD.

Use M-S Inoculating Bacteria on the Peas you plant and be surprised by results. Garden size, 50c.; one-acre size, 75c.; two-acre size, \$1.45; four-acre size, \$2.25.

## EXTRA EARLY VARIETIES

**Extra Early Alaska**—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt., 35c.; qt., 60c.; pk., \$3.50.

**Pedigree First and Best**—An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt., 35c.; qt., 60c.; pk., \$3.50.

**Prolific Early Market**—This is one of the largest podded and most



Extra Early Alaska Peas

productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pt., 35c.; qt., 60c.; pk., \$3.75.

**Long Podded Alaska**—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt., 35c.; qt., 60c.; pk., \$3.75.

**M-S. BOUNTIFUL**—Resembling Long Pod Alaska in general habit of growth. Vines light green in color. Pods 3 inches long, slightly curved. Seed bluish green, medium size and pitted. Height of straw, 30 inches. Pt., 35c.; qt., 60c.; pk., \$3.75.

**M-S. SAXONIA**—This is a grand new extra early pea, maturing in 75 days. Height of vine 30 inches, a very prolific bearer, bearing handsome pods 2 3/4 inches long all along the vine. Truckers will find this a profitable pea to plant. Pt., 35c.; qt., 60c.; pk., \$3.75.

Bushel prices on application

## MEDIUM EARLY WRINKLED

### Daisy, or Dwarf Telephone

—The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder, or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Pt., 40c.; qt., 75c.; pk., \$5.00.

Gentlemen—I bought one bushel of Telephone Peas from you and treated same with your M-S. Legume Inoculator; same yielded 116 1/2 bushels and sold for \$404.80. I beat all my neighbors.

Yours truly,

GEORGE PEARCE, Fork, Md.



## MEDIUM and LATE VARIETIES

**Telephone**—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**M.-S. Yorkshire Hero**—An old and well-known variety and justly prized for its genuine worth. It is hardy and productive, upright in growth, stout and branching. It bears near the top of the vine broad pods well filled with large peas. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Champion of England**—A standard pea; vines grow four and one half feet high and bear medium-sized pods of peas of good quality. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Improved Sugar Marrow Peas**—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. **Pt., 35c.; qt., 60c.; pk., \$3.50. 60 lbs. to bushel.**

**French Canner**—Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. **Pt., 35c.; qt., 60c.; pk., \$3.50. 60 lbs. to bushel.**

**Dwarf Melting Sugar**—The pods as well as the peas of this variety are edible and both very sweet. **Pt., 40c.; qt., 75c.**

## POTATOES

Present Price on All Kinds. **Pk., \$1.00. Bu., \$3.50.**  
Ten bushels cut tubers will plant one acre.

Prices on quantity of Potatoes furnished on application.  
Potato prices subject to market fluctuation.

**Culture**—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed allow one eye to each piece.

Our potatoes are put up in barrel sacks of 165 lbs. each.

**Red Bliss**—Very early, thin, red skin, round, white flesh.

### Irish Cobbler

This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set. **Price, per bag, \$8.00.**

### M.-S. FILL BASKET

On account of the large yields that have been reported of this potato,

our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size where soil is well tilled. Our customers will find the M.-S. FILL BASKET a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts.

### PRICE ON POTATOES ABOVE.

**Houlton Early Rose**—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

**Crown Jewel**—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

**Early Ohio**—This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early.

**Improved Green Mountain, Early Norther, New Queen, Carmen No. 3, Prosperity, Burbank, McCormick Rehoboths.** Prices furnished on application.

**Choice Seed Sweet Potatoes, Leading Varieties**—Prices on application. Sweet Potato Plants. **SEE PAGE 4.**

## PUMPKIN

One ounce for fifteen hills; three to four pounds plants an acre. **Culture**—Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close.

**M.-S. YANKEE PIE PUMPKIN**—The best Pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large handsome pear shaped, golden yellow pumpkin, which are so sweet that they require very little sugar and ripen early. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50.**

**Cushaw, or Winter Crookneck**—An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crook-neck, fine grained yellow flesh, very solid. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**

**Cushaw Striped**—Same as above, but it is green and white striped. **Price same as above.**

**Japanese Pie**—Flesh very thick, rich salmon color, fine grain, dry and sweet. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 45c.; 1 lb., \$1.25.**

**Tennessee Sweet Potato**—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.**

## PARSLEY

One ounce to 150 feet of drill.

**Culture**—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.



**M.-S. GREEN CURL-LEAF BEAUTY PARSLEY**—Very handsome, dark green, immensely curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year around. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Champion Moss Curled**—A distinct variety of unequalled merit, beautifully crimped and curled. **Pkt., 5c., oz., 10c.; ¼ lb., 25c.; 1 lb., 75c. 25c.; 1 lb., 75c.**

**Green Mountain Parsley**—Beautifully crimped and curled; perfectly hardy and vigorous grower. **Pkt.,**

**5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**Plain, or Single**—Very strong in flavor, but not curled. **Pkt., 5c.; oz., 10c.; ¼ lb., 30c.**

**Hamburg, or Rooted**—Edible roots. **Pkt., 5c.; oz., 10c.; ¼ lb., 35c.**

## LEEK

One ounce to 150 feet of row.

**Culture**—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**Giant Carentan**—Produces a large, thick stem, and of mild flavor. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.**

**American, or Flag**—One of the hardiest and best for Winter use. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.**

**Cheese**—Shape flat like a cheese box; good keeper, popular. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**King of the Mammoths, or Pot Iron**—An immense variety, which always wins prize offered for the largest and best pumpkins grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50.**

**Common Yellow, or Connecticut Field**—Very productive; for feeding stock. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**



King of Mammoth, or Pot Iron.

Capt. J. M. Moore, Revenue Cutter Service, Arundel Cove, Md., tells us that he was highly pleased with results he obtained from flower and vegetable seeds purchased from us.



## RADISH

One ounce for fifty-foot drill; ten pounds in drills to one acre.

**Culture**—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

## EXTRA EARLY VARIETIES

**M-S. EARLY CARDINAL RADISH**—These are the best little crisp red radishes, which come so early in the season; they grow globular in shape and are of the most brilliant cardinal red color; are tender and crisp; will stand the heat and are fine for forcing. The most desirable kind for home garden and market gardeners' use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.

**French Breakfast, Early**—Ob-long shape, rapid grower, very mild and tender; of a beautiful scarlet color, topped with white. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Early Long Scarlet Short Top**—The principal outdoors quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Iceberg**—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**White Strasburg**—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**New Glass, or Cincinnati Market**—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

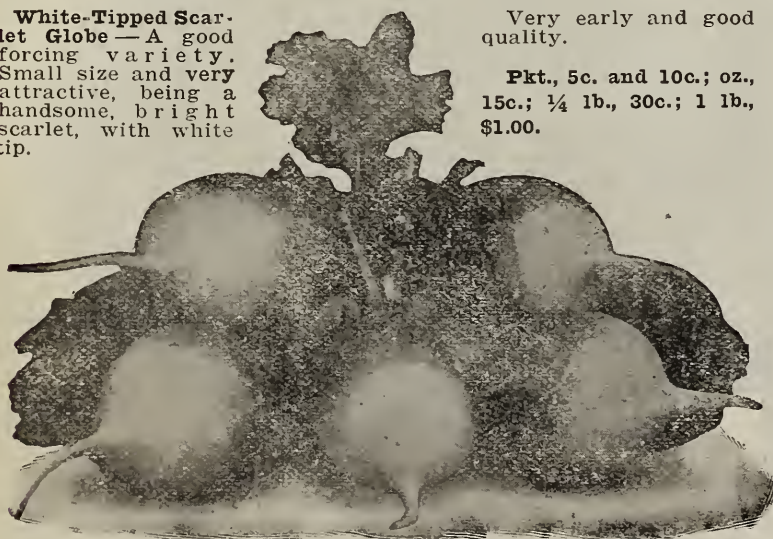
**Prussian Globe**—This is a short top, round red Radish, which will always stay popular on account of its good qualities; can be used for forcing and outdoors. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**White Turnip (Short Top)**—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**White-Tipped Scarlet Globe**—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip.

Very early and good quality.

Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.



White-Tipped Scarlet Globe

**M-S. SPECKLED BEAUTY RADISH**. This is a very early, short leaved, handsomely spotted and striped; red and white globular-shaped radish. Very tender and crisp, to be highly recommended for home garden and retail market stall. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.

**Ruby King, Extra Early**—Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Crimson Giant**—Like above but much larger. Very desirable. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.

**Scarlet Globe Early**—This variety can be used for forcing and is recommended for early outdoor planting. It is a small, round, red radish, of excellent flavor. Its rich, crisp, tender flesh makes it very popular. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25.

## SUMMER VARIETIES.

**Large White Stuttgart**—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for Winter. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Large White Summer Turnips**—Round, smooth and very white; crisp and tender. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Golden Globe**—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Long White Vienna or Lady Finger**—Has slender pure white roots which are smooth and average about 6 to 7 inches in size when matured. They are quite early and of excellent quality. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Improved Chartier**—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

## WINTER VARIETIES.

**Long Black Spanish**—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Round Black Spanish**—Like the above, except that it is round shape. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

## M-S. EARLY CARDINAL RADISH

**Long White Spanish**—Like the Long Black Spanish, only different in color. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Round White Spanish**—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**China Rose, or Scarlet China**—Bright rose-colored, stump-rooted, of excellent quality. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**White Chinese, or New Celestial**—Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

**Sakurajima (Mammoth Japan)**—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.

**Merima**—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.

## EXTRA EARLY VARIETY

**Strawberry**—The exceptional merit of this radish is proved by its popularity increasing every year with successful market gardeners.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, and is a high class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

Gentlemen—It affords me great pleasure to inform you that I have been buying seeds from your firm since it has been established, and they have always proved true to name.

Yours truly,  
ADAM SCHUSSLER, Mayo, A. A. Co., Md.



# M.-S. "SURE GROWING" TOMATOES

## EARLY VARIETIES

One ounce for 1,500 plants;  
quarter pound (to trans-  
plant) an acre.

**Culture**—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground, in hills three or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

**Extra Early I. K. L.**—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**Sparks Earliana**—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**Chalk's Early Jewel**—The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**Extra Early Mascot**—Great favorite among the Anne Arundel County truckers on account of its earliness, productiveness, and uniformity of good size; smooth, red-skinned tomatoes. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**King of the Earliest**—One of the largest Early Red Tomatoes, which well deserves its name. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**Bonnie Best**—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

**John Baer**—This tomato compares with Bonnie Best, but grows much heavier foliage and larger fruit; is also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good, all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich, red color. **Pkt., 10c.; oz., 50c.; ¼ lb., \$1.75; 1 lb., \$6.00.**

**June Pink**—For gardeners who have a market for an early purplish pink fruit (which is produced in clusters.) This is the variety to plant. True strain seed. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.**

**Sunnybrook Special**—A great favorite with the Anne Arundel County truckers on account of its earliness, productiveness and uniformity. **Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25; 1 lb., \$4.00.**

## M.-S. INCOMPARABLE TOMATO

We pronounce this the best medium early Tomato that grows. One of our large trucking customers bought one pound last season, he has ordered ten pounds for 1920. It produces large smooth fruit, which are very thick from stem to blossom end, very solid and of a deep red color. It yields immensely and clean up to frost, we have counted fifteen marketable fruit on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. The vines are stout and dark green, holding the fruit well off the ground.

Seed scarce, order early, grown exclusively by us.

**Packet, 25 cents; ounce, 75 cents; ¼ pound, \$2.75; 1 pound, \$10.00.**

M.-S. INCOMPARABLE TOMATO

Gentlemen:

Along side of Bonnie Best and John Baer your Incomparable held up fine during this past wet season, and kept bearing until frost, long after the other two were gone.

J. C. SHAW, ROSSVILLE, Md.



# M.-S. MAIN CROP AND SMALL FRUITED TOMATOES

**M.-S. BIG CHIEF**—A grand new main-crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M.-S. BIG CHIEF VINE. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed is scarce, grown exclusively by us. Pkt., 25c.; oz., 75c.;  $\frac{1}{4}$  lb., \$2.75; 1 lb., \$10.00.

**Kelly's Red**—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt., 5c. and 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$4.00.

**Greater Baltimore**—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt., 5c. and 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.25; 1 lb., \$4.00.

**B. B. (Brinton's Best)**—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular.

Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.



M.-S. BIG CHIEF TOMATO



Our Old Stand-by

M.-S. IMPROVED NEW STONE

**M.-S. IMPROVED NEW STONE**—This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.

**Ponderosa**—Remarkably large and of fine quality. Very solid. Pkt., 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.25.

**Dwarf Champion**—Stems short, thick, stiff, almost self-supporting. Fruit large, round, red-tinged purple, borne in showy clusters. A good variety. Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

**Beauty**—Splendid for early market and shipping. Purplish tinge, excellent quality. A fine variety for home gardens. A good yielder. Pkt., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.

**Livingstone's Globe**—Glossy rose-color, tinged with purple, very early, smooth and of large size; very productive and a good keeper. A standard variety which retains its popularity; very popular with Southern growers. Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.

**New Queen**—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.

**Maryland Pride**—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper.

Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.

**Wisdom**—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room.

Pkt., 25c.; oz., 50c.;  $\frac{1}{4}$  lb., \$2.25; 1 lb., \$8.00.



**Golden Queen**—Bright yellow, large and solid. Pkt., 5c. and 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.25.

**Yellow Pear and Yellow Plum**—Two small-fruited kinds for preserves. Pkt., 5c. and 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.25.

**Red Pear**—Pear-shaped red. Pkt., 5c. and 10c.; oz., 40c.

**Peach**—Very small, pink fruit, with slight peach bloom on skin. Pkt., 5c. and 10c.; oz., 40c.

Gentlemen:

I put out quite a number of Big Chief Tomato Plants and they bore from 26 to 43 to the Plant. Wish I had planted my whole crop in same.

SAM GAYLOR, Hanover, Md.

Tomato Plants---see page 4.

Special prices on Tomato Seed to Cannery and Granges who buy in large quantities.



## M.=S. IMPROVED JUMBO PEANUTS

**Culture**—Plant in May or early June, in rows about two and one-half to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shall turn-plow throw the dirt to the nuts.

**Price**—(Shelled)— $\frac{1}{4}$  lb., 15c.;  $\frac{1}{2}$  lb., 25c.; 1 lb., 50c. Special price on large quantity.



## RHUBARB



**Culture**—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our two-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

**Queen Victoria**—The leading variety. Pkt., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.

**ROOTS—SEE PAGE 4.**

## M.=S. SWISS CHARD DELMONICO

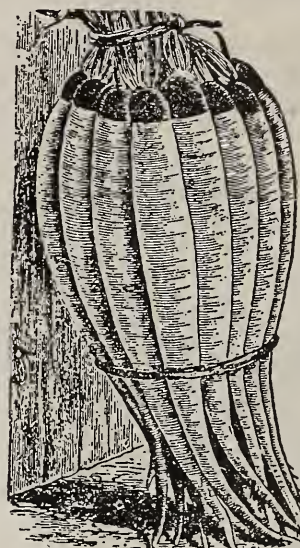


M.-S. Swiss Chard Delmonico

This is the finest swiss chard that grows, making large handsome, finely crimped light green leaves crimped light green leaves, which are tender and have a delicious flavor, the ribs are about and not unlike asparagus. Absolutely the best for home gardens. Pkt., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.

**Swiss Chard, or Spinach Beet, Giant Lucullus**—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; 1 lb., \$1.00.

## SALSIFY, or OYSTER PLANT



Mammoth Sandwich Island Salsify

One ounce to seventy feet of drill; about eight pounds to the acre.

**Culture**—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

**Mammoth Sandwich Island**—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market-gardeners and truckers. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 60c.; 1 lb., \$2.00.

## SPINACH

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

**Culture**—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left out over Winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

**Bloomsdale Savoy Leaved**—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 1 lb., 60c.

Prices on larger quantities furnished on application.

**Victoria**—A favorite for early Summer. It is one of the darkest in color, and with exception of the heart, the leaves are comparatively smooth. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 75c.

**Long Season**—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, infact better than all others, and remains a long time in condition for use before going to seed. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 75c.

**New Zealand**—Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot Summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.



Victoria Spinach



## SQUASH

Bush sorts, one ounce for fifty hills; Ave to six pounds to acre; running varieties three to four pounds in hills for an acre.

**Culture**—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.



Early Mammoth White Bush Squash

**M.-S. PERFECTION BUSH SQUASH**—This is the finest scalloped white squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; 1 lb., \$1.50.

**Early Mammoth White Bush Squash**—An excellent strain. Early prolific and much larger than the old White Bush. Splendid for market and best for shippers. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Summer Crookneck, Bush Variety**—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Hubbard**—An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin and very rich flesh. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

**Golden Hubbard**—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Boston Marrow**—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and

Boston Marrow Squash



extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

## VEGETABLE MARROW

**Italian (Cocozelle di Napoli)**—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green. In Italy it is eaten when quite young. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.

## SORREL, or SOURGRASS

**Culture**—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Large French**—Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

## TURNIP

One ounce for 100 feet; two pounds to the acre.

**Culture**—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow every two weeks until June; for Fall and Winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

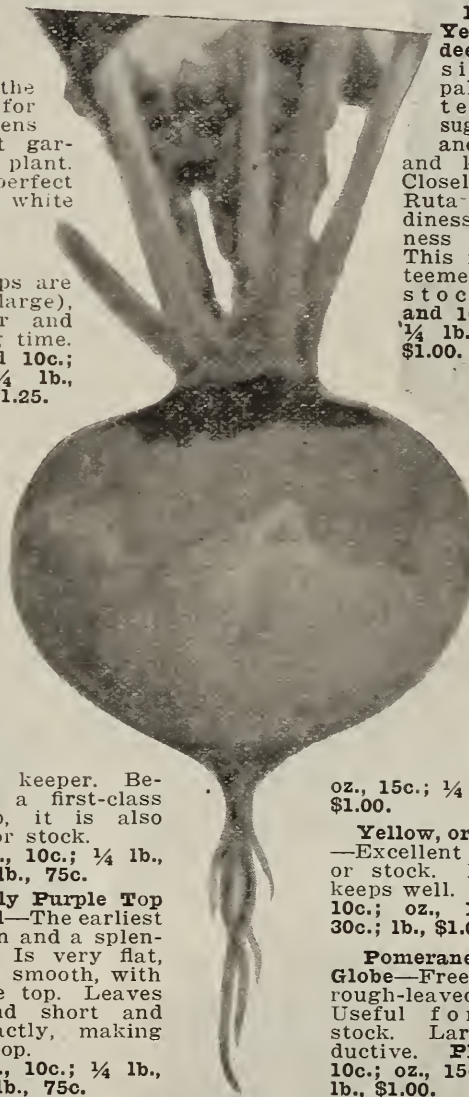
### M.-S. EARLY CHAMPION TURNIP.

This is the best Turnip for home gardens and market gardeners to plant. It is large perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large), stays tender and sweet a long time. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.

### Red, or Purple Top White Globe.

A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

**Extra Early Purple Top Strap Leaved**—The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



**Purple Top Yellow Aberdeen**—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta-Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.

### White Egg.

A quick-growing, egg-shaped variety. Very smooth, pure white, grow half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt., 5c. and 10c.;

oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Yellow, or Amber Globe**—Excellent for table use or stock. Fine quality, keeps well. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Pomeranian White Globe**—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

### M.-S. Early Champion Turnip

**Cow Horn**—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Seven Top**—Grown exclusively for its tops, and when properly prepared and cooked make a fine dish. Withstands our Winter without any protection. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

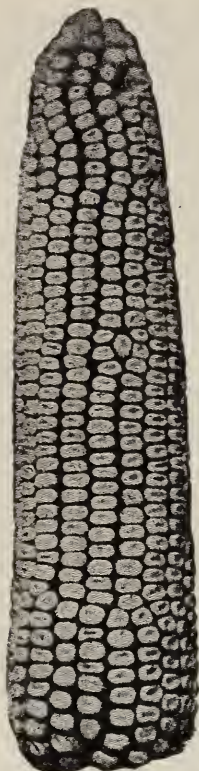
**Tennoji Turnip**—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. Pkt., 10c.; oz., 25c.

**Improved Purple Top Ruta Baga, or Swede**—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.



## FIELD CORN

Prices Subject to Change Without Notice.



Boone Co. White Corn ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

Giant Ensilage Corn—¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

Virginia Horse-Tooth Ensilage Corn—¼ pk., 40c.; pk., \$1.25; bu., \$4.00. Eight quarts to the acre.

**Collier's Success**—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Yellow Leaming**—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 90 days. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Golden Beauty**—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Maryland Yellow Dent**—Large ear; moderate size stalk; withstands drought well. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Hickory King**—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Boone County White**—Recommended by the Agricultural Experimental Stations. A fine, large, deep-grained variety, originated by one of the best corn breeders. ¼ pk., 40c.; pk., \$1.25; bu., \$4.00.

**Collier's Excelsior**—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil.

lished, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is also one of our most valuable pasture grasses, very productive and nutritious. **Lb., 45c., bu. of 14 lbs., \$6.00.**

**Rhode Island Bent**—The distinctive feature of this species is its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. **Lb., 75c.**

**Crested Dog's Tail (*Cynosurus cristatus*)**—A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. **Lb., 50c.**

**Fancy Red Top; Herd's Grass (*Agrostis vulgaris*)**—A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations; and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. **Lb., 35c.**

**Meadow Fescue (*Festuca pratensis*)**—This makes a most excellent hay and pasturage grass, and is practically valuable for Fall and Winter pasture, as it remains green throughout the Winter. **Lb., 40c.**

**Orchard Grass; Cocksfoot (*Daetylis glomerata*)**—One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and is also by heavy rolling in the Spring. But it is quite unsuitable for lawns. **Lb., 30c.; bu., of 14 lbs., \$3.75.**

**Pacey's Perennial Rye Grass (*Lolium perenne*)**—Although called a perennial, it seldom lasts more than three or four years. It adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay, having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixture for quick effects in lawns or golf links. **Lb., 25c.**

**Timothy (*Phieum pratense*)**—Most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. If sown alone, at least one-half bushel to the acre should be used. The seed weighs 45 pounds to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." **Lb., 25c.**



Timothy

**Tall Meadow Oat Grass**—Valuable in pasture mixtures. **Lb., 40c.**

**Red Fescue**—Valuable as a lawn grass in most any locality. **Lb., 50c.**

## GRASS SEEDS

Prices and samples in larger quantities on application. Prices subject to market fluctuation.

We desire to call special attention to the following list of Agricultural Grasses, which will, we think, be found very comprehensive, both as to varieties and descriptions. We have made arrangements for our stocks with the most prominent growers of Agricultural Grasses and Clovers, who, by virtue of many years' experience in growing seeds has become the recognized headquarters for same. This will enable us to furnish our customers with the very best, and that which we know to be free from all adulteration.



Kentucky Blue Grass

**Kentucky Blue Grass—(*Poa Pratensis*)** One of the most widely distributed and valuable native grasses, combining more points of excellence than any other. It is a true perennial, lasting indefinitely and improving every year. Densely creeping root-stalks, spreading habit, smooth, even growth, fine texture and rich-green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the Spring, and lasts till frost. It succeeds with almost any soil, dry, rocky, sandy or gravelly, and stands the long continued dry weather and hot suns. It takes, however, two or three years to become well estab-



## FORAGE AND MISCELLANEOUS SEEDS

Write for Samples and Prices in Larger Quantities. Market Prices Fluctuate.



Golden Millet

**Golden Millet (*Panicum Miliaceum* var)**—An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous.

### SUDAN GRASS

**A New Forage Crop of Immense Value to the Farmers of the United States.**

Greatly relished by live stock even when grown for seed and the seed threshed off. Work horses, mules, milk cows and dry cattle eat it readily. Sudan grass is very tender and palatable, and has a sweetish taste and pleasant odor which cause it to be relished by all kinds of farm stock, and very especially dairy cows. It can be cut by a mower and cures readily the same as millet or any other hay crop. Cut just after full bloom. After cutting it renews itself promptly. In about 40 days another cutting is ready. In 1912 four cuttings were secured in Texas. Ordinarily two or three cuttings may be had in our locality.

10 to 15 lbs. of Seed to the Acre.

Price of Sudan Grass. Lb., 35c. 10 Lbs., \$3.00.

Barley, Oats, Rye, Wheat—Market prices.

**Broom Corn (*Sorghum vulgare*)**—Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long-brush Evergreen. Lb., 20c.

**Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks, Soja Bean (*Glycine hispida*)**—All thrive well in our climate. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Market prices.

**Cow Peas (*Vigna Catjang*)**—Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm.

**Black, Black-Eyed, Clay, New Era, Whip-poor-will, Shinney, Wonderfull and mixed**—Market prices.

**Peas (Canadian Field)**—Valuable for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two bushels to the acre. Market prices.



A Head of Japanese Buckwheat

### JAPANESE BUCKWHEAT

In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcast to the acre. It can be sown as early as May 1st. This variety produces brown seed, is very prolific and matures early. It makes a very fine quality of flour; also used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. Any of the clover crops can be sown with buckwheat; these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

15c. per qt.; pk., \$1.00.

## CLOVER SEEDS

Write for Samples and Prices in Larger Quantities. Prices Subject to Market Fluctuation.

**Red Clover (*Trifolium pratense*)**—One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 pounds to the acre. Lb., 60c.

**Mammoth Red, or Sapling Clover**—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb., 60c.

**Crimson, or German Clover (*Trifolium incarnatum*)**—Erect annual, one to two feet high, with bright-scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb., 25c.

**White Sweet Clover (*Melilotus Alba* or *Bok hara*)**—Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil; may be cut three times; last for year if cut before flowering. Scarified Seed, 40c. lb.

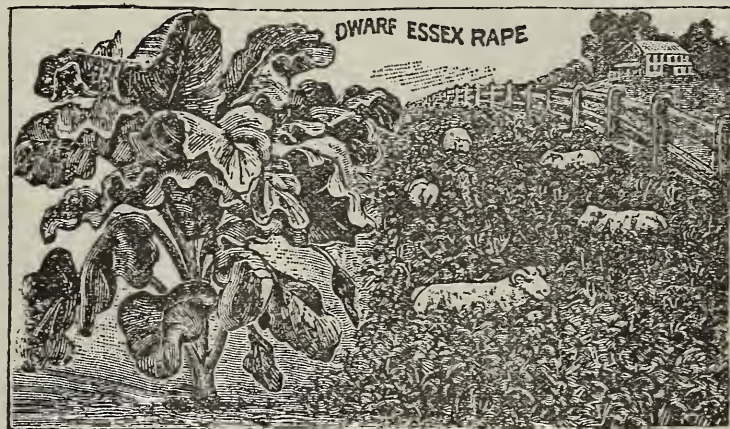


Red Clover

**White Clover (*Trifolium repens*)**—It makes an excellent turf that stands constant tramping. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in lawns and permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. ¼ lb., 20c.; ½ lb., 40c.; lb., 75c.

**Alfalfa, or Lucerne (*Medicago sativa*)**—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown in this section in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. Lb., 50c.

**Alsike, or Hybrid Clover (*Trifolium hybridum*)**—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. Lb., 60c.



DWARF ESSEX RAPE

**Rape—Dwarf Essex English (*Brassica napus*)**—Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnished a large amount of pasture or fodder. In drills, sow five lbs. to the acre; sown broadcast, ten pounds to the acre. Lb., 25c.

**Kaffir Corn—Lb., 10c.**

**SORGHUM, OR SUGAR CANE.**

Sample and Price on Request.

**Early Amber**—Grows 10 to 13 feet high. Fine for cows, either green or cured. Lb., 10c.

**Early Orange**—Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb., 10c.

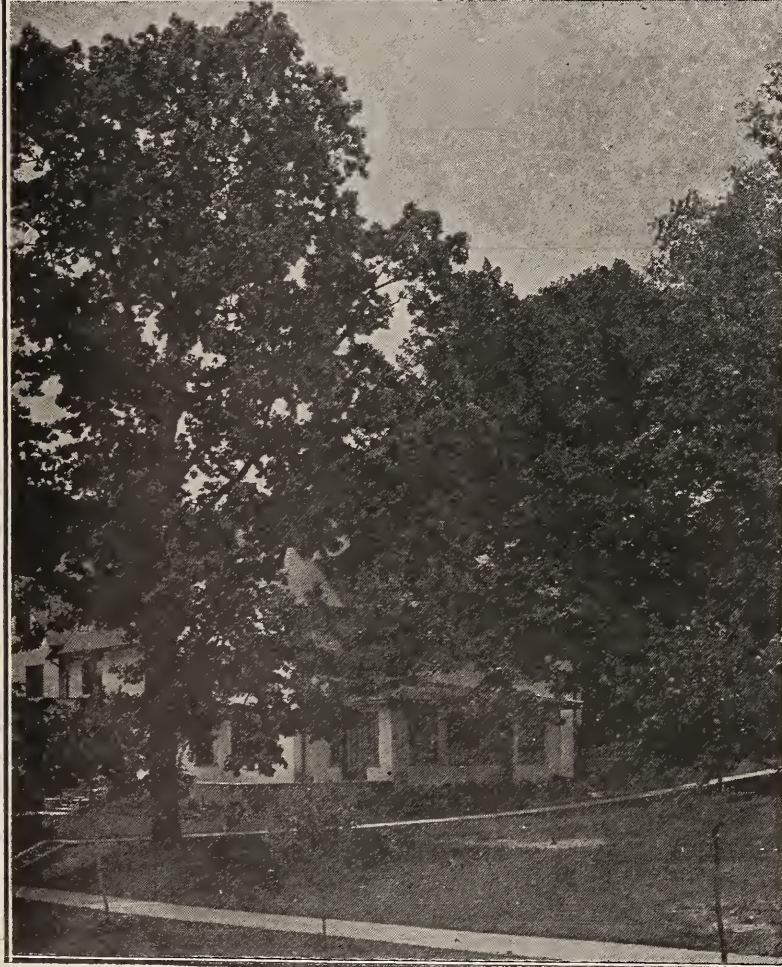
**Sunflower—Large Russian—Lb., 20c.**

**Sand, Winter, or Hairy Vetch—(*Vicia villosa*)**—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. Lb., 45c.

**Spring Vetch**—Same as above, but not hardy; sow in Spring only. Lb., 20c.







**Great Many of the Finest Lawns Around Balti.  
more Are Seeded With M.-S. Celebrated  
LAWN GRASS**

**M.-S. ROLAND PARK LAWN GRASS**

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. Our M.-S. Roland Park Lawn Grass Seed produce beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvet appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out.

1 lb., 35c.; 5 lbs., \$1.50; bu. of 20 lbs., \$5.50.

**M.-S. SHADY NOOK GRASS**—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees.

1 lb., 35c.; 5 lbs., \$1.50; bu. of 20 lbs., \$5.50.

**M.-S. PLEASURE GROUND MIXTURE**—For fair greens, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture.

1 lb., 35c.; 5 lbs., \$1.50; bu. of 20 lbs., \$5.50.

White Clover— $\frac{1}{4}$  lb., 20c.;  $\frac{1}{2}$  lb., 40c.; lb., 75c.

**M.-S. SPECIAL GRASS MIXTURE FOR HAY AND PASTURE**—M.-S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage, it will be found entirely satisfactory. 1 lb., 30c.; bu. of 20 lbs., \$5.00.

MR. JAMES COOPER, Supt. at "Homewood"—

The Athletic Field of the Johns Hopkins University, tells us that all Grass Seed purchased of us gave quicker and better results than any other he has ever sown.





## M-S. Special Flower and Bulb Collections

Every lover of flowers will welcome these wonderful M-S. FLOWER COLLECTIONS. We have a selection of the most popular Annuals and Perennials. They will give you untold pleasure and you will be able to pick flowers from early June till frost. To a novice we wish to give the advice that no flower seed must be planted deeper than its own circumference. If the young shoots are too close, they can be transplanted after they are 4-5 inches tall.

### SPECIAL ANNUAL FLOWER COLLECTION No. 1.

14 Good-sized Packages for \$1, Postpaid.

- M-S. Gilt-edge Sweet Peas
- " Dwarf Nasturtiums
- " Zinnia
- " Marigold
- " Giant Exhibition Pansy
- " Ostrich Plumed Asters
- " Large Flowering Cosmos
- " Bachelor Buttons
- " Mammoth Petunias
- " Annual Phlox
- " Salvia or Scarlet Sage
- " California Poppy
- " Coreopsis
- " Annual Larkspur

All of these are ANNUALS and will be a perfect delight to your eyes.

### SPECIAL PERENNIAL FLOWER COLLECTION No. 2.

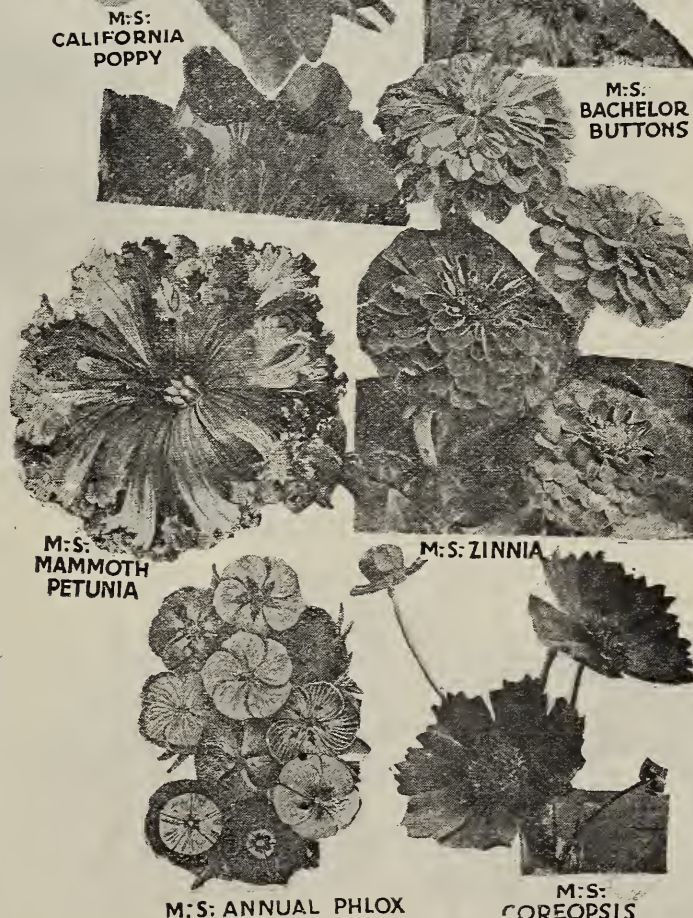
14 Good-sized Packages for \$1, Postpaid.

- M-S. Campanula or Canterbury Bell
- " Columbine or Aquilegia
- " Shasta Daisy
- " Dianthus or China Pink
- " Delphinium or Hardy Larkspur
- " Digitalis or Fox Glove
- " Galardia or Blanket Flower
- " Gypsophila or Baby's Breath
- " Helianthus or Hardy Sunflower
- " Hibiscus or Mallow
- " Hollyhock
- " Lupins
- " Hardy Phlox
- " Oriental Poppy

No Garden ought to be without this wonderful collection of PERENNIALS.

## BOX COLLECTION OF DAHLIAS \$1.00, Postpaid

A new departure. Put up in sets of ten assorted varieties, unlabeled, embracing a wide range of colors—Red, White, Yellow, Pink, Variegated, etc.—no two alike. This collection is put up in a telescope box and is sent through Parcel Post to any part of the United States for \$1, postpaid.





# FIVE NOVELTIES

## SOMETHING ENTIRELY NEW HERE IN AMERICA

As a special inducement to introduce these five charming novelties, we will offer the collection of five for \$2.00.



Fig. 2

### DOUBLE PINK SNAPDRAGON Fig. 2

(*Antirrhinum majus Grandiflorum*)

This exquisite new variety will be found a valuable addition to the double-flowering SNAPDRAGONS which we introduced several years ago. The color is that of the splendid large flowering sort Venus, a delicate pink on white ground set off by a pure white throat. The abnormal fantastic petals, which emerge out of the mouth-like aperture in the flowers, between the upper and lower lips, give a double and beardlike aspect to the very large bloom. In 60 to 70 per cent. of the seedlings this phenomenon is more or less in evidence. A striking effect is produced by the long spikes covered with these beautiful flowers when used for bedding, and they will be of great value as cut flowers for vases.

Packet, 50c., postpaid.



Fig. 4

### CHINESE FRINGED PRIMULA Fig. 4

(Double Duchess)

The single flowering Duchess has gained the greatest popularity as it is one of the finest sorts of Chinese Primulas for show by the striking contrast of the white carmine-centred flowers to the bronze-colored foliage.

We have now succeeded to raise the double-flowering form, which differs from the single variety, while possessing all its other good qualities, only in the additional circle of petals. These form a miniature Rosebud in the middle of each flower, and thereby lend to the fine umbels an uncommonly graceful and pretty aspect.

Packet, 50c., postpaid.

### LILLIPUT POPPY Fig. 1

(*Papaver Rhoeas Pumilum*)

This new introduction represents a very dwarf class of the single-blooming SHIRLEY POPPY. The plants attain a height of 12 to 14 inches only, and from small close bushes with light green denticulated foliage and upright ramification. Each of these strikingly handsome Tom Thumb Dufts develops straight peduncles standing about 2 inches above the leaves and ending in a mass from 60 to 120 flowers, which means an abundance of bloom hitherto unknown among Poppies. The flowers measure 1½ to 2 inches in diameter, the color is mostly light or dark rose with golden yellow anthers. A bed, group or border covered with these charming little plants offers a surprisingly beautiful sight. Fresh blooms appear daily which finally pass to extremely small seed pods. The blooming period lasts all over the summer months.

The LILLIPUT POPPY is to be sown in the open ground either in Spring or Autumn. We have no doubt that it will please wherever grown.

Packet, 50c., postpaid.



Fig. 1

### ADONIS ALEPPICA Fig. 3

(The Syrian Elos Adonis)

It is astonishing that this most beautiful annual described by Boissier and indigenous between Aleppo and Aintab has hitherto not been introduced into our gardens, but is mentioned only in a few botanical works.

The plant grows to a height of 16 to 20 inches, and produces 16 to 20 chief stems. From these many lateral branches are set off ending each in a round-shaped flower with 8 petals and measuring 2½ to 3 inches in diameter, which means about 4 times as large as those of the common Flos Adonis. The color of the flower is a shining deep dark blood red of greatest brilliancy, and its blooming keeps on for about 2 months. The flowers appear in great number and the effect of the full-blooming, pyramidally growing plants is enhanced by its very handsome feathered foliage. Cut blooms put into water keep fresh for a fortnight.

This splendid Adonis will be found a great acquisition for groups, beds and borders and can also be used as a pot plant. One may lay the seed in cold frame, but does best to sow in the open ground, early in spring; it takes under normal conditions 4 to 6 weeks, but occasionally one-half to 1 year before coming up; autumn sowing does not succeed.

With this Adonis, which may appropriately be called the Syrian Flos Adonis, we are introducing a fine Annual of permanent value, as it seldom occurs and which may be put on one line with the best we possess. Packet, 50c., postpaid.



Fig. 3

### CHINESE FRINGED PRIMULA Fig. 5

(Red Ridinghood)

The fimbriated class of Chinese Primula is most effectively enriched by this novelty, which possesses all qualities that can be desired: luxuriant growth, fine dark bronze-colored foliage and rich inflorescences bearing a mass of large perfectly-shaped flowers of strikingly beautiful color.

Emerging from the brownish margin of the eye very fine small blotches of deep red radiate through the lower half of the petals forming a ring of brilliant color, which is finely set off by the beautiful strawberry rose, into which it gradually passes over.

As a hybrid this new variety has a very healthy constitution and a prolonged flowering period; it also comes true from seed.

Packet, 50c., postpaid.

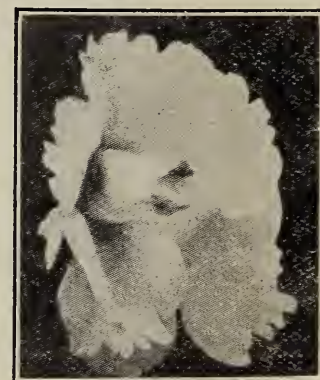


Fig. 5



# FLOWER SEED DEPARTMENT

## HOW TO GROW ANNUALS

Annual plants are those that must be sown each year.

The kinds that are the ones easiest to grow: Zinnia, Petunia, Marigold, Four o'Clock, Sunflower, Phlox, Scabiosa, Sweet Sultan, Bachelor's Button, Verbena, Calendula, Calceolus, Morning Glory, Nasturtium, Sweet Peas are some of the kinds that are surest. The investment of five cents will bring a great reward in a packet of seeds of any of these plants.

Make the soil rich and fine and soft and deep, just as you would for radishes or onions. There are some plants for which the soil can be made too rich, of course, but most persons do not err in this direction. The finer and more broken down the manure the better. Spade it in. Mix it thoroughly with the soil. If the soil is clay-like, see that fine manure is thoroughly mixed with the surface layer to prevent "baking."

If flowers of any annual are wanted extra early, the seeds should be started indoors.

A number of the very late-flowering annuals should also be started indoors for best success, as, for example, the Moonflowers and the tall-growing kinds of Cosmos.

## BEST BOOKS FOR GARDENER AND PROFESSIONAL

Practical Landscape Gardening.....	\$2.00
Commercial Plant Propagation.....	1.50
Milady's House Plants (Paper) .....	.75
Milady's House Plants (Cloth) as now.....	1.00
Commercial Rose Culture—New Edition.....	1.75
Garden Guide (Fourth Edition), brand new (Paper) .....	1.25
Garden Guide (Fourth Edition), brand new (Cloth) .....	1.50

## HOW TO GROW HARDY PERENNIALS

Hardy perennials are easily grown from seed. In many cases they are a little slower than annuals, but with intelligent care they are successfully raised, and from seed is an excellent way to get up a big stock of perennials in a short time. Many perennials, if sown in spring, bloom the first year from seed as freely as annuals. Others wait a year—that is, if sown this year.

The amateur may have more success and less bother growing hardy perennials from seeds sown in the open ground than in any other way. Prepare a bed in a nice, warm, sheltered spot in the garden, preferably not very sunny; let the surface of the bed be raised four or five inches above the general level, and the soil be a mellow, free, fine earth on the surface. Draw shallow rows across the surface of the bed, three to four inches apart, and here sow the seed, keeping the varieties of one kind or nature as much together as practicable; cover the seeds thinly, press the whole surface gently, water moderately, then dust a little fine loose soil over all. If the weather is sunny or windy, shade with papers or a few branches, but remove these in the evening. When the seedlings come up thin them out to stiffen those that are left, and when they are two or three inches high, they are fit for transplanting into permanent quarters. All this should be done in early Spring, say March, April or May, or in warmer localities a month earlier.

Again in July or August perennials are very easily raised out of doors, and much in the same way as above. Transplant these seedlings in late August or early September to get well-rooted stocky plants before Winter sets in.

## SELECTED LIST OF M.-S. FLOWER SEEDS



### PLEASE ORDER BY NUMBER AND NAME.

All Flower Seeds are 5c. Package, unless otherwise noted.

All Annuals are marked (a). All Perennials are marked (p).



2. Ageratum

1. Adonis (a)—Attractive bright flowers—Crimson.
2. Ageratum (a)—For beds or borders. Dwarf, Blue and mixed.
3. Alyssum (a)—Carpet of Snow. Dwarf, pure white.
4. Amaranthus (a) Caudatus—Love Lies Bleeding.
5. Amaranthus (a) Tricolor, Joseph's Coat—Beautiful scarlet, yellow and green foliage. Height, 2 to 3 feet.

6. Antirrhinum. Snapdragon (p)—A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the Winter they will revive and throw up gigantic spikes of flowers during the Summer. The Snapdragon is treated as an annual and the seed sown every year. Height, 1½ feet. White, Scarlet, Pink Striped, Yellow and all colors mixed.



6. Antirrhinum or Snapdragon

**Asters (a)**—To do well, require a well-pulverized soil, always kept open by continuous cultivation. If soil is heavy and mostly composed of clay, it is well to mix sand with it.

7. Aster Paeonie. Flowering: White, rose, scarlet, lavender, dark blue and choice mixed. 10c. pkt.; 3 for 25c.

8. Aster (Ost-rich Plumed) Very beautiful: White, rose, scarlet, lavender, dark blue and choice mixed.

9. Asters, Semple's Branching—In five distinct colors. White, pink, dark red, light blue, dark blue and all colors mixed. 10c. pkt.; 3 for 25c.



**ALL PACKETS ARE 5c. UNLESS OTHERWISE SPECIFIED.**

10. **Aster, Queen of the Market**—Very early; white, pink, lavender, scarlet, dark blue and choice mixed.

11. **Asters**—China, mixed, double, choice colors.

12. **Balsam (a). (Lady Slipper)**—Camellia flowered; light pink, white, red, salmon and choice mixed; very fine.

13. **Balloon Vine (a). (Love-in-a-Puff)**—Interesting climber.

14. **Balsam Apple (a)**—A climber with very useful fruit.

15. **Begonia (a)**—Invaluable for bedding and pot culture; about one foot high, beautiful foliage, pink, white and crimson mixed, 10c. pkt.

16. **Campanula Media (p). Canterbury Bell**—These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed.



M.-S. Paeonia Flowering  
Aster No. 7

17. **Calendula (a). (Pot Marigold)**—Free-flowering; Lemon Queen, Meteor, Orange King and mixed.

18. **Canna (a)**—One of the finest bedding plants.

19. **Canabis Gigantea (a). (Giant Hemp)**—For backgrounds; 10 feet.

20. **Calliopsis, or Coreopsis (a). Golden Wave**—Showy, free-flowering, hardy annuals of easy cultivation. Yellow, brown and choicest mixed.

21. **Canary Bird Flower Vine (a)**—One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers.

22. **Candytuft (a)**—For beds and massing; Carmine, Pink, Rose, White and choice mixed.

23. **The Cardinal Climber**—This glorious and absolutely distinct new Annual Climber we consider the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from midsummer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each, and wherever it has been grown during the past two seasons has attracted more attention and favorable comment than any other plant in the garden. Like other Ipomoeas, it delights in a warm, sunny situation and good soil. The seed may be started indoors in March or April, but it is best to wait until the weather gets warm and settled, and then sow out of doors. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground the seed is liable to rot. Pkt., 25c.; 5 pkts., \$1.00.



25. Cockscomb

29. **Chrysanthemum (a)**—Choicest mixed.

30. **Cineraria (p)**—For hothouse and window garden. Price, mixture, 60c. and \$1.00 pkts.

31. **Clarkia (a)**—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1½ feet.

32. **Cleome (a)**—Curious; very ornamental, on Costor Oil Plant style. Sandy soil suits them best. Height, two feet.

33. **Cobaea Scandens (a)**—Cups and Saucers Vine. Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edge-wise, and merely cover with light soil.

34. **Columbine, or Aquilegia (p)**—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Single or double mixed.

35. **Cosmos (a)**—An autumn flowering plant. A charming, profuse bloomer. Crimson, pink, white and all colors mixed. Pkt., 5c.; oz., 50c.

36. **Early Summer-flowering Cosmos**—Coming into flower in July, continuing until frost. Can be grown in the North where the setsons are too short for other strains. Dwarf, compact growth; 4 feet. Flower beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer.

Pkt., 5c.; oz., 50c.

37. **Double-crested Cosmos (a)**—We take great pride in offering this novelty to our customers. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent.; but the ones that do not show double are dreams of beauty. Pink and white. Seed scarce. Pkt., 25c.; 5 pkts., \$1.00.

38. **Coleus (a). Large Leaved Hybrids**—Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkt., 10c.; 3 for 25c.

39. **Cypress Vine (a)**—Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White, scarlet and mixed.

**ALL FLOWER SEEDS FIVE CENTS A PACKAGE UNLESS OTHERWISE NOTED.**

24. **Carnation (a). (Marguerite)**—Very best variety for amateurs. Popular with all growers; mixed. 10c. pkt.; 3 for 25c.

25. **Celovia (a). (Cockscomb)**—Free-blooming. Grand for borders and very good for pots; mixed.

26. **Centaurea Cyanus (a). (Bachelor Button, or Corn Flower)**—Deep blue, white, pink and all colors mixed.

27. **Centaurea (a). (Dusty Miller)**—For borders. Beautiful silver leaves. Grown for their silvery foliage as edging plants.

28. **Cerastium Tomentosum (a). (Snow in Summer)**—Dwarf, white-leaved edging plant; flowers white; 4 inches high.



35. Cosmos



40. **Dahlia (a)**—Bloom first year from seed if sown early. Double and single; mixed, very fine.

41. **Daisy, English Double (p).** (*Bellis Perennis*)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches; white, pink and mixed.

42. **Shasta Daisy**—Very large; white single flowers on long stems.

43. **Dianthus (p).** (*China Pink*)—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, crimson, rose and double mixed.

44. **Delphinium (p).** (*Hardy Perennial Larkspur*)—Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through Fall. *Formosum*. Blue, white centre. *Chinese Album*. White. *Chinese Azureum*. Blue. *Kelway's Giant*. Mixed. Pkt., 10c.; 3 for 25c.

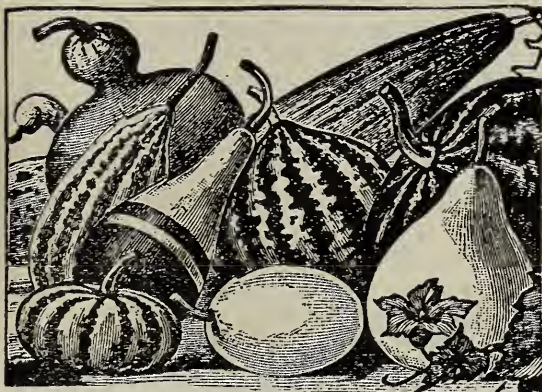
45. **Dimorphotheca (a).** (*Golden Orange Daisy*)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire season; excellent for cutting.

46. **Digitalis (p).** (*Foxglove*)—Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

47. **Dolichos (a).** (*Hyacinth Bean, or Texas Climber*)—Showy climber, making rapid growth. White, purple and mixed. Pkt., 5c.; oz., 15c.

48. **Eschscholtzia (a).** (*California Poppy*)—Choice mixture.

49. **Euphorbia (a)**—White and green; height, 2 feet. Known as "Snow on the Mountain."



51. Mixed Gourds

Bottle, Chinese Lantern—and a general mixture; rapid climbers. Each, 5c. pkt.

52. **Calardia (p).** (*Blanket Flower*)—Very fine mixture.

52½. **Godetia (a)**—Rich carmine crimson flowers, blooms all Summer. Height, 18 inches.

53. **Gypsophila (a).** (*Baby's Breath*)—Pretty free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet. *Elegan Alba Grandiflora*.

54. **Helianthus (a).** (*Sunflower*)—Oscar Wilde. Single, yellow.

55. **Helianthus (a).** (*Sunflower*)—Dwarf, double, 3 feet high.

56. **Heliotrope (a).** (*Giant Hybrids, Lemoines*)—Produces extra large flower spikes in abundance. Pkt., 10c.

57. **Helichrysum (a).** (*Straw Flower*)—Popular, everlasting.



57. Strawflower

58. **Heliopsis (p)** (*Pitcheriana*). (*Orange Sunflower*)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.

59. **Hibiscus (p).** (*Mallow*)—These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; height, 4 feet.

60. **Hollyhock (p).**—One of the most popu-



43. China Pinks

50. **Forget-Me-Not (p).** (*Myosotis*)—An old favorite; bearing clusters of star-shaped blue flowers, succeeds best in moist shady situations. Seed sown early will bloom first season.

51. **Gourds (a).** Dishcloth or Luffa—Nest Egg, Hercules Club, Pear Shape, Mock Orange, Sugar Trough, Calabash, or Pipe Gourd—Thermos

lar and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. **Chater's Improved Double Hollyhock** in separate colors. Pink, white, salmon, maroon, yellow and all colors; mixed. Single choice colors mixed.

61. **Humulus (a).** (*Japanese Hop*)—A rapid growing annual climber with luxuriant foliage.

62. **Hunnemannia (a).** (*Giant Yellow Tulip Poppy*)—Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.

63. **Ice Plant (a)**—Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

64. **Kochia (a).** (*Summer Cypress, or Mexican Fire Bush*)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; 2 to 3 feet.

65. **Kudzu Vine (p).** (*Puevaria Thunbergiana*)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc. Pkt., 10c.

66. **Lantana (a)**—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble *Verbenas*; plants grow erect and remain in bloom all Summer.

67. **Larkspur (a)**—Double dwarf Rocket; finest mixture. **Larkspur (Hardy)**, see No. 44.



72. Mignonette

68. **Lobelia (a)**—Dwarf varieties for bedding. Blue, white and choice mixed.

69. **Lupins (a)**—Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow mixed.

70. **Marigold (a)**—Dwarf French Legion of Honor and tall African; Lemon Ball, Orange Ball and fine colors, mixed.

71. **Marvel of Peru (a).** (*Four o'Clock*)—Choice mixed.

72. **Mignonette (a)**—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter. *Golden Machett* and *M.-S.* extra fine. Pkt., 5c. each.

73. **Moon Flower (a).** (*Ipomoea Noctiflora*)—Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Pkt., 5c.; oz., 75c.

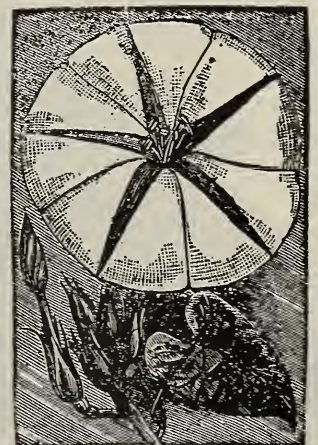
74. **Mimulus (a).** (*Tigrinus*)—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 foot.

75. **Moschatus.** (*Musk Plant*)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches. Mammoth flowering.

76. **Morning Glory (a)**—One of the most popular annual climbers, rapid grower. Pkt., 5c.; oz., 20c. All colors mixed.

77. **Double-Flowering Morning Glories**—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white spotted with red, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors.

Pkt., 10c. Oz., 75c.



73. Moonflower

ALL FLOWER SEED ARE FIVE CENTS A PACKAGE, UNLESS OTHERWISE NOTED (ORDER BY NAME AND NUMBER).





79. Morning Glory

and garnet; daintiest blue to purple; snow-white to silver-gray. Some are striped, blotched and spotted; others have magnificent edges and throats. Mixed colors. Pkt., 10c.; oz., 50c.

80. *Nicotiana* (a)—Splendid, pure white, Bouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.



82. Passion Flower Vine

81. *Oenothera* (a). (Even) ening Primrose—Beautiful low-growing plant, producing large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors, mixed.

82. Passion Flower (p). (Southern Beauty)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

83. *Portulaca* (a). (Mexican Rose)—Choice, single and double; mixed colors.

#### PANSIES (a).

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shady situations.

84. **M.-S. GIANT EXHIBITION PANSIES**—A blending of our own, containing only the very choicest, the specialists in Europe



84. M.-S. GIANT EXHIBITION PANSIES

78. **Ruffled and Frilled**—The perfection of Morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. Pkt., 10c.; oz., 50c.

79. **Giant Japanese Morning Glories**—The robust vines attain a height of from 30 to 50 feet. The foliage is luxuriant, distinct and varied, green, silvery and yellow leaves; many are mottled light and dark green, white and gray. But the surpassing charm of these "Giant Japanese Morning Glories" lies in the entrancing beauty and large size of the flowers; they measure from 3 to 4 inches across. The colors of the flowers, shadings and markings are limitless. Some flowers are of deep, rich, velvety colors, others daintily tinted and shaded. There are reds from soft rose to crimson

have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Pkt., 10c.; 3 for 25c.; \$2.50 per oz.



85. Triumph of the Giant Pansy

85. **Triumph of the Giant Pansy**—Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt., 25c.; 5 pkts., \$1.00.

86. **Masterpiece (Frilled Pansy)**—Flowers beautifully curled or waved. Exquisite colors. Pkt., 25c.; 5 pkts., \$1.00.

**M.-S. GIANT PANSIES**—In separate colors.

87. **Lord Beaconfield**—Purple, violet and white.

88. **Snow Queen**—Pure white.

89. **Emperor William**—Indigo blue black, blotched.

90. **Canary Bird**—Pure yellow.

91. **King of the Blacks**—Lustrous jet black.

92. **Lord Baltimore**—Yellow maroon blotches.

93. **May Queen**—White with violet blotches. All the above 10c. pkt.; 3 pkts., 25c.

94. **Very Fine Mixed Pansy**—Pkt., 5c.; oz., 75c.

95. **M.-S. PETUNIA MAMMOTH (a)**—The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period. Snowball, pure white, rosy morn, pink, and all colors mixed.



95. Petunia

97. **Phlox Drummondii (a)**—One of our finest hardy annuals, on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a Summer bedding plant. In all bright colors, or all colors mixed.

98. **Hardy Phlox (p)**—For a gorgeous show these are the most satisfactory of all perennial plants. 2 feet high, in all bright colors; seeds sown late in Fall will germinate in the Spring; mixed and white, pink, lavender and scarlet.

Pkt., 10c.; 3 for 25c.



97. Phlox Drummondii



## POPPIES

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.

**99. Orientale Poppies (p)**—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere; 3 feet.

**100. "Mikado" (a)**—(Double the Striped Japanese Poppy). This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum.

**101. American Flag (a)**—Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

**102. Double Flowered Mixed Poppies**—Immense double flowers, resembling a Peony; two feet.

**103. M.-S. Shirley Poppies (a)**—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors; mixed.

**104. Iceland Poppy**—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

**105. Primula (a)**—Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high; mixed colors. **Pkt., 10c.**

**106. Rhodanthe (a)**—Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.

**107. Primula Obconica**—Used for greenhouse; very finest mixture. **Pkt., 30c. and 60c.**

**108. Primula Chinensis (Chinese Primrose)**—Very finest mixture. **Pkt., 30c. and 60c.**

**California Poppy**—See No. 48.

**Yellow Tulip Poppy**—See No. 62.



99. Orientale Poppies

## RICINUS (Castor Oil Bean)

One of our best ornamental-leaved annual plants, largely used for the centre of beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

**109. Zanibariensis**—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Leaves vary in color from light green to purplish-red. **Pkt., 5c.; oz., 15c.**

**110. Borboniensis**—Very large and most showy green foliage; standard variety; 10 to 15 feet. **Pkt., 5c.; oz., 15c.**

**111. Philippinensis**—A variety from the Philippines, with beautiful and gigantic purple leaves; 10 feet. **Pkt., 5c.; oz., 15c.**

**112. M.-S. Ricinus Mixture**—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. **Pkt., 5c.; oz., 10c.**

## SALVIA (a) Scarlet Sage

**113. Salvia Splendens**—This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hot-beds. Best bedder, beautiful scarlet flowers of immense size. **Pkt., 5c.; oz., \$1.50.**

**114. Salvia Bonfire**—Compact bushy plants; two feet high; producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. **Pkt., 5c.; ¼ oz., 50c.**

**115. Salvia Early Dwarf Zurich**—Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant borne well above its handsome foliage. Color brilliant scarlet. Earliest of all. **Pkt., 10c.**

**116. Salpiglossis (a). (Painted Tongue)**—Very beautiful, hardy annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop.

**117. Seabiosa (a). (Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)**—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

**118. Scarlet Runner (a)**—Ornamental and useful climbing beans. **Pkt., 5c.; oz., 10c.**

**119. Sensitive Plant (a)**—A curious and interesting half-hardy annual, with pinkish flowers, leaves close when touched; 1½ feet high.

**120. Smilax**—A well-known greenhouse climber, with small, dark-green foliage; of great value in floral work. **Pkt., 10c.; oz., 60c.**

**121. Stock (a)**—Half-hardy annual; fine for cutting, bedding or edging, also pot culture; average 1 to 1½ feet. Mixed colors, 5c. White, pink, yellow, crimson, light blue, dark blue, separate colors. **Pkt., 10c. each.**

**122. Stokesia (p). (Cornflower Aster)**—Blooms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

**Strawflower**—See Nos. 45 and 57.

**123. Sweet William (p). (Dianthus Barbatius)**—This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single crimson, single red with white eye, single velvety maroon, single white and choicest double mixed, single mixed; all colors. **Each, 5c. pkt.**

**124. Sweet Sultan (a). (Centaurea Moschatus)**—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

**125. Sunflower (a). (Large Russian)**—Six to eight feet high; immense flowers. **Oz., 10c.**

**126. SUNFLOWER (a). (The Unique Red Sunflower)**

—Of recent introduction. The plants reach a height of from five to eight feet and throw out many branches. The flowers are very numerous, of good form, usually having large long rays and small discs. The heads vary greatly in size—some are only two or three inches across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of a rich chestnut red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border of this annual especially

126. The Unique Red Sunflower



interesting and attractive. Some few seeds will produce plants bearing yellow flowers; for, although the seeds came from carefully selected stock they were grown in a region where sunflowers abound and the wild, doubtless have crossed some with pollen from the wild yellows. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. **Pkt., 10c.; oz., 50c.**

**127. Thunbergia (a). (Black-Eyed Susan)**—Beautiful. Very ornamental climber.

**128. Verbena (a)**—An excellent annual for beds and massing, and for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M.-S. Fancy White, Scarlet, Dark Blue, Striped, Light Blue and all colors mixed.

**129. Vinca (p). (Madagascar Periwinkle)**—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

**130. Violet (p)**—Deservedly much in demand because of their profusion of bloom and delicate sweet odor. **Pkt., 10c.**



126. Verbena



## WALLFLOWER (p)



131. Wallflower

Favorite sweet-scented flowers, of fine colors. Splendid for cutting and useful as Spring bedders.

131. Cloth of Gold—Yellow.

Early Feltham—Fine brown, dwarf.

Vulcan—Dark blood red.

All colors mixed.

132. Wild Flower Garden (a)—Fine mixture of old favorites. Pkt., 5c.; oz., 15c.

133. Wild Cucumber Vine (a)—One of the quickest growing annual vines we know of; splendid for covering trellises, old trees; fences, etc. Clean, bright green foliage and sprays of white flowers during July and August, also known as Pants and Petticoat.

134. ZINNIA (a). (Youth and Old Age)—One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the Summer, and keep on blooming until frost. Require little attention and succeed almost anywhere.

For perfection of blossom start the seeds in March, and prick out once or twice before transferring to the open border in May or June. Provide the plants with plenty of room, at least 18 inches apart each way, and they soon completely cover the ground. M.-S. Dwarf—Double; in six distinct colors: white, pink, crimson, scarlet, yellow, purple, and all colors mixed. Each, 5c. pkt.; oz., 75c.

135. Curled and Crested—A new distinctive variety. Pkt., 10c.

136. Tall Double Mixed.

ALL FLOWER SEEDS 5 CENTS A PACKAGE, UNLESS OTHERWISE SPECIFIED.

## 137 CHINESE WOOLFLOWER

This introduced from China some years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual. Its ease of culture and long continued season of bloom (early in July until frost), together with its massive bunches of wool-like flowers and glowing color combine to make it the showiest as well as the most odd and novel garden flower. Pkt., 10c.; 3 for 25c.

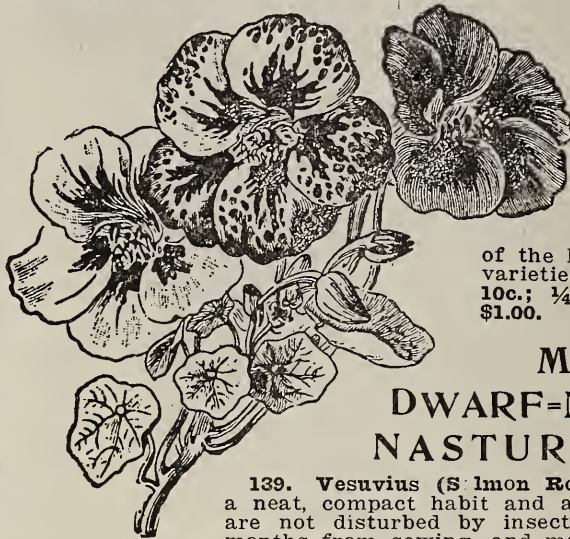
Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost, but all continue to expand and glow with a deepening richness of color, a deep crimson-scarlet. Seed—10c. per pkt., 3 pkts. for 25c.

## M.-S. GIANT DWARF NASTURTIUMS(a)

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown and

producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil.

Our Nasturtiums are noted for their size, variety and brilliancy of their colors.



138. M.-S. Fancy Giant Mixed Dwarf—This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 1 lb., \$1.00.

## M.-S. DWARF-NAMED NASTURTIUMS

139. Vesuvius (Salmon Rose)—These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from sowing, and most profusely the whole season.

140. Chameleon—Produces various colors and markings on the same plant.

141. Empress of India—Dark-leaved, velvety dark scarlet flowers; select flowers.

142. Ladybird—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

143. Queen of Tom Thumbs—Variegated foliage; choicest mixture.

144. Golden Queen—Yellow-leaved, with golden yellow flowers.

Prices of all the above varieties as follows: Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.

145. M.-S. Tall or Climbing Nasturtiums—This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock work, etc., nothing equally gorgeous effect produced by that great quantities of bloom from early Summer until frost; height, 8 to 10 feet. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 1 lb., \$1.00.

## 146 M.-S. GILT EDGE SWEET PEA MIXTURE

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring a gorgeous color effect. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; ½ lb., 40c.; 1 lb., 75c.

## M.-S. SELECTED NAMED SWEET PEAS (Grandiflora Varieties)

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts and for freedom of bloom, size of flowers and strength of stem cannot be surpassed.

148. America—Blood red striped on white.

149. Apple Blossom—Rose pink and white.

150. Black Knight—Maroon.

151. Blanche Ferry—Standard carmine rose, wings white tinged pink.

152. Captain of the Blues—Bright blue.

153. Countess of Radnor—Delicate lavender standard, dark mouve wings, dainty white white-edged pink.

154. Dorothy Eckford—Fine, pure white large flowers.

155. Emily Henderson—Splendid pure white, good for forcing.

156. Hon. Mrs. E. Kenyon—Beautiful yellow.

157. Firefly—Crimson.

158. Katherine Tracy—Soft brilliant pink.

159. King Edward VII—Bright crimson.

Prices on the above, each, Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 90c.

SWEET PEAS—Continued on Next Page



## 147 SPENCER OR ORCHID FLOWERING MIXED SWEET PEAS

A special mixture of the finest Spencer type. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; 1 lb., \$2.00.



Spencer, or Orchid Flowering Sweet Peas

## M.-S. WINTER FLOWERING ORCHARD AND SPENCER SWEET PEAS

FOR FORCING INDOORS.

This seed has been grown from originator's stock and can be depended upon for excellent results.

160. Mrs. A. A. Skach—Beautiful clear, light pink. Pkt., 10c.;  $\frac{1}{2}$  oz., 40c.; 1 oz., 75c.;  $\frac{1}{4}$  lb., \$2.50; 1 lb., \$8.00.

161. Yarrawa—The most popular pink. Prices same as above.

162. Mrs. Wm. Sim. Orchid—The finest salmon pink. Prices same as above.

163. Lavender Orchid—Lavender pink. Prices same.

164. White Orchid—Large pure white. Prices same.

165. Red Orchid—Large crimson red. Pkt., 10c.;  $\frac{1}{2}$  oz., 60c.; 1 oz., \$1.00;  $\frac{1}{4}$  lb., \$3.00; 1 lb., \$10.00.

166. No. 25 Blue—Extra good, clear blue, large. Pkt., 25c.;  $\frac{1}{2}$  oz., 90c.; 1 oz., \$1.50;  $\frac{1}{4}$  lb., \$5.00.

167. Pink and White Orchid—Very fine. Pkt., 10c.;  $\frac{1}{2}$  oz., 40c.; 1 oz., 75c.;  $\frac{1}{4}$  lb., \$2.50; 1 lb., \$8.00.

## M.-S. SUPERFINE DAHLIA ROOTS

For postage add 5c. each; dozen lots should be sent by express.

**Culture**—One of the most important points in the cultivation of the Dahlia is to select a well-drained position where they will receive the full benefit of the sun during the greater part of the day.

As to soil, they are not at all particular, excepting that in the case of a stiff clay some loose material should be added, such as coarse sand, old mortar, or anything which will make the soil loose and friable. The soil must be well dug, and a liberal amount of suitable plant food incorporated. For this nothing is more satisfactory than well-decayed stable manure; but where this cannot be conveniently procured pure bonemeal, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer.

The planting of dormant roots in the latitude of Baltimore may be done at any time between April 25th and June 15th, the earlier planting being preferable. Plants must not be set out until all danger of frost is over, say May 10th.

Dahlias should be planted where they can be watered during the blooming period.



Box Collection of M.-S. Superfine Dahlias, 10 for \$1.00, postpaid.

After May 1st we can furnish started Dahlia Plants at the same price as roots.

## CHOICE DECORATIVE DAHLIAS

**CELESTE MEYER**—A superb Fancy Decorative Dahlia. Combining all the virtues of a first-class Dahlia. The plant is a strong, vigorous grower, foliage clean and bright; a height of four feet. Flowers are quite full and grows large in size; borne on exceptionally long stems, which hold the flower erect. Color, Tango Red, heavily tipped and striped with white, which in most of the flowers reaches down to the base of the petal, leaving alternate streaks of red and white. In others the marking is not so distinct, giving a shading of pink and white; a very attractive and pleasing flower; a very prolific bloomer. Each, 25c.; doz., \$2.50.



Celeste Meyer



**ELEANOR STISSER**—This variety is a tall grower, making a height of five to six feet, strong and vigorous. Its color is quite new in the Dahlia family, being a combination of shadings quite unique—buff to salmon, with a distinct shading of pink, a pleasing combination of coloring and one that is especially effective in connection with Autumn foliage. Flowers well above the foliage. 25c. each; \$2.50 doz.

**Jack's Discovery**—White, mottled violet rose. 20c. each; \$2.00 doz.

**Sebastapol**—One of the finest of recent introduction. Flowers rich bright orange, of good substance, borne freely on long stiff stems. The best in its class and color, fine cut flower. 20c. each; \$2.00 doz.

**Athalia**—Rich ox-blood red, with maroon shadings; a giant flower, extremely free flowering. 25c. each; \$2.50 doz.

**Delice**—Beautiful glowing, rosy pink; good stems; fine for cutting. 15c. each; \$1.50 doz.

**Henry Patrick**—A beautiful pure white. 15c. each; \$1.50 doz.

**Jack Rose**—Brilliant crimson-red, similar in shade to the popular "Jack" Rose, which suggested its name; perfect for garden decoration or for cutting. 15c. each; \$1.50 doz.

**Mrs. Hartong**—Golden-bronze; very fine. 15c. each; \$1.50 doz.

**Mad. Vanden Dael**—Delicate Silver Rose. 15c. each; \$1.50 doz.

**Sylvia**—Soft, pleasing mauve-pink, gradually changing to white in the centre. 15c. each; \$1.50 doz.

**Souv. de Gus Douzon**—Immense flowers; a beautiful red, tall and grand bloomer. 15c. each; \$1.50 doz.

**Wm. Agnew**—Best red decorative profuse bloomer. 15c. each; \$1.50 doz.

**Yellow Duke**—Large double flowers of canary yellow. 15c. each; \$1.50 doz.

**Le Grand Manitou**—White ground color, prettily spotted, striped and blotched with deep reddish violet; dec. type. 25c. each; \$2.75 doz.

## CHOICE CACTUS DAHLIAS

**Rheinkönig**—Pure snow-white flowers of splendid form, 5 inches and over in diameter. These are of great substance, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. 25c. each; \$2.50 doz.

**Brittania**—Deep salmon. 15c. each; \$1.50 doz.

**Countess of Lonsdale**—A peculiar but pleasing blending of salmon pink and amber, a color difficult to describe. Flowers freely under all conditions. 15c. each; \$1.50 doz.

**Floradora**—Remarkably free-flowering, bright dark-red. 15c. each; \$1.50 doz.

**J. H. Jackson**—Dark velvet maroon. 20c. each; \$2.00 doz.

**Fireworks**—Ground color, golden yellow, striped and blotched with oriental yellow. 20c. each; \$2.00 doz.

**Golden Gate**—A colossal Cactus flower often measuring 9 inches, bright golden yellow; early and free. 25c. each; \$2.50 doz.

**Juliet (Prince of Yellow)**—A rich canary yellow; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre. 15c. each; \$1.50 doz.

**Mrs. H. J. Jones**—Bright scarlet, tipped white. 15c. each; \$1.50 doz.

**Standard Bearer**—Rich, fiery scarlet; free and of perfect form. 15c. each; \$1.50 doz.

**Winsome**—Pure white; twisted petals. 15c. each; \$1.50 doz.

## SHOW VARIETIES

**Zebra**—Pearl white, edged deep pink. 15c. each; \$1.50 doz.

**John Walker**—Pure white, beautifully quilled. 15c. each; \$1.50 dozen.

**Res. Cory**—Crimson and white striped. 25c. each; \$2.50 doz.

**Aabella**—Pale primrose, tipped old rose and lavender. 20c. each; \$2.00 doz.

**Black Diamond**—Purple garnet, shaded black.

**Bon Ton**—Deep rich garnet. 15c. each; \$1.50 doz.

**Orlando**—Buff salmon, shaded rose and amber. 20c. each; \$2.00 dozen.



Eleanor Stisser

**Marguerite Bruant**—Pure white, dwarf and free blooming. 15c. each; \$1.50 doz.

**Ethel Maule**—Pure white, dainty tint of lavender in centre. 15c. each; \$1.50 doz.

**Electric**—Soft magenta rose. 15c. each; \$1.50 doz.

**Magnificent**—Undoubtedly the most perfectly quilled Dahlia grown; flowers of medium size, but very perfect, of a soft lemon-yellow. 15c. each; \$1.50 doz.

## PAEONY FLOWERING DAHLIAS

**Hampton Court**—A pleasing soft shade of pink mauve. Flowers of good form and very free flowering. 40c. each; \$4.00 doz.

**Roem van Nijkerk**—A remarkable handsome variety. The flowers are uniformly large and very compact. Color: rich, violet and purple. 25c. each; \$2.50 doz.

**Dr. H. Sewall**—Broad, flat petals, surrounding a small yellow disc. Color, pink fawn, with slight amber shading at base of petal. 25c. each; \$2.50 doz.

**Rembrandt**—One more centre; one of the most distinct and refined varieties of recent introduction. Color: yellow, spotted light pink, making a pretty effect. Large and of the finest form. 25c. each; \$2.50 doz.

**Weber**—Lovely shade of rose pink; fine form and stem. 40c. each; \$4.00 doz.

**Mrs. Chas. L. Seybold**—Distinct bright crimson pink, each petal tipped white. 15c. each; \$1.50 doz.

**Germania**—Dazzling crimson. 20c. each; \$1.75 doz.

**Jan Olieslagers**—(Peony decorative). Deep primrose yellow, rich and effective; flowers large, and full good stem and bloomer. 40c. each; \$4.00 doz.

**Queen Wilhelmina**—Pure white; splendid form. 15c. each; \$1.50 doz.

## POMPOM DAHLIAS

**Allie Mourey**—Pinkish white, tipped deep pink.

**Little Beauty**—Delicate shrimp pink.

**Crimson Queen**—Deep crimson-shaded purple.

**Snow-clad**—Pure white, early and profuse bloomer.

All of the above, 15c. each; \$1.50 dozen.

## SINGLE AND COLLARETTE DAHLIAS

**Alaba Superba**—Pure white, with large, heavy, overlapping petals of good texture. 15c. each; \$1.50 doz.

**Big Chief**—Brilliant cherry red, margined rich, velvet maroon. 15c. each; \$1.50 doz.

**Rose Pink Century**—Clear rose pink; immense size. 20c. each; \$2.00 doz.

**Valentine (Collarette)**—Yellow shaded crimson white collarette. 20c. each; \$2.00 doz.

**Eden—Collarette**—A lovely pure white, admitted by Dahlia experts to be the finest yet introduced. Good bushy habit, free flowing. 25c. each; \$2.50 doz.

**Gallia—Collarette**—Bright rose, suffused and tipped scarlet, passing the sulphur yellow. 15c. each; \$1.50 doz.

On some varieties, bulbs may be scarce. In this case we can furnish plants.

## CLASSIFICATIONS OF DAHLIAS

**Class 1. Cactus**—This class embraces the long, narrow-petaled varieties, the petals of which are generally pointed or twisted.

**Class 2. Decorative**—This class is an intermediate form having broad, flat petals.

**Class 4. Peony Flowered**—A semi-double of the decorative form.

**Class 5. Pompon**—This class embraces the small, round Dahlias.

**Class 6. Show**—The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, but may frequently have shaded tips.

**Class 7. Single**—Too well known to require a description.

**Class 8. Collarettes**—Single flowers with another layer of petals on the stamen.

## BOX COLLECTION OF DAHLIAS

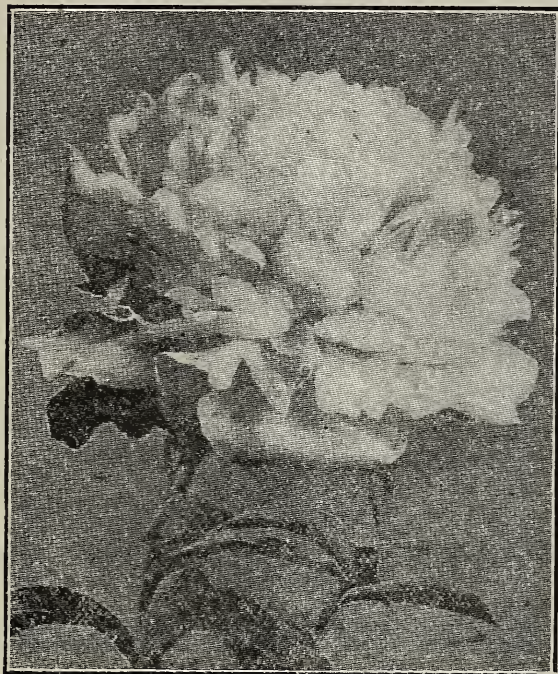
A new departure; put up in sets of ten assorted varieties, unlabeled, embracing a wide range of colors, red, white, pink, yellow, variegated, etc.; no two alike. This collection is put up in a telescope box and is sent through Parcel Post to any part of the United States for \$1.00.



**M.=S. CHOICE PAEONIES**

Parcel post weight, 2 pounds each.

Double Paeonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Paeonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

**M.-S. Choice Paeonies**

**Duchess de Nemours**—Pure white, profuse bloomer. 30c. each; \$3.25 doz.

**Jeanne d'Arc**—Fine rose, centre creamy white and sulphur. 30c. each; \$3.25 doz.

**Rosea**—Beautiful pink. 30c. each; \$3.25 doz.

**Rubra**—Bright red. 30c. each; \$3.25 doz.

Extra large clumps of any of the above, 50c. each; \$5.00 doz.

**DOUBLE PEARL TUBEROSES**

**Culture**—One of the most fragrant and popular of the Summer-flowering bulbs. May be started early in hot-beds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 12c. each; \$1.25 doz. Parcel Post weight, 1 doz., 2 lbs.

**Double Pearl Tuberose****Elephant Ear****CALADIUM ESCULENTIUM (Elephant's Ear)**

As centre pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

**Monster Bulbs**—35c. each; \$4.00 doz. Parcel Post weight, 1 lb. each.

**Mammoth Bulbs**—20c. each; \$2.00 doz. Parcel Post weight, 1/2 lb. each.

**MADERIA, OR MEXICAN VINE (Hardy)**

The tubers, if planted deep and protected during the Winter, are hardy. The leaf is very deep green, and grows very dense; the flower is small, white in color and fragrant. This very rapid-growing vine should be planted wherever a dense, quick shade is desired. **Roots**, 5c. each; 40c. doz. Parcel post weight, 1 doz., 1 lb.

**M.=S. SUPERFINE GLADIOLUS**

If by Parcel Post, add postage at Zone Rates (average weight, 10 lbs. per 100). Single bulbs and dozens we deliver free in United States.

**Cultural Hints on Gladiolus**—A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Start to set the bulbs out about April 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July

**M.-S. Choice Mixed Gladiolus****Gladiolus "America"**

1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.

**IMPORTANT MEMORANDA**—Most people want the biggest bulbs they can get. Many varieties of gladioli produce only medium-sized bulbs and for that reason should not be condemned. This is especially true in the case of mixed gladioli, either in colors or shades of color. The smaller bulbs are frequently the finest varieties.

**M.-S. Choice Mixed Gladiolus**—Composed of all named varieties in gorgeous blending. 5c. each; 35c. doz., 100, \$2.25.

I purchased some Canna Roots from you last Spring and I never, in all my life, have had such beautiful flowers. They were admired by everybody who saw them.

Yours truly,

H. M. GRESHAM, Tappahannock, Va.



## M.=S. NAMED GLADIOLUS

**America**—A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. 6c. each; 60c. doz.; 100, \$3.25.

**Schwaben**—A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well-expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 12c. each; \$1.25 per doz.; \$8.50 per 100.

**Niagara**—An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 10c. each; doz., \$1.00; \$7.50 per 100.

**Mrs. Francis King**—One of the best and most popular sorts, which comes in for much admiration, both for size of flower and beauty. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers. 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among Gladiolus. 5c. each; doz., 50c.; \$3.75 per 100.

**Baron Joseph Hulot**—Deep indigo blue, slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. 10c. each; \$1.00 doz.; \$7.00 per 100.

**Priniceps**—Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 10c. each; doz., 75c.; 100, \$5.00.

**Halley**—Delicate flesh rose, with white blotch, very lovely. 6c. each; 60c. doz.; \$3.50 per 100.

**Panama**—A grand new seedling of America which it resembles, but is of deeper pink; flowers very large and spike long. 10c. each; \$1.00 doz.; \$7.00 per 100.

**Augusta**—Beautiful ivory-white, faintly-tinted rose without markings; large flower with frilled edges. 6c. each; 60c. doz.; \$3.50 per 100.

## M.=S. SUPERFINE CANNA BULBS

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

**Culture**—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

**Note**—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants. All canna bulbs, 6c. each; 60c. doz., unless specified.

**Feuermeier**—A remarkable perfectly formed flower, of a brilliant cardinal-red; the green foliage is of heavy, leathery texture; 4 feet.



**Wyoming**—Bronzy-purple foliage, with immense spikes of massive orange flowers; 7 feet.

**Gustav Gumper**—This is an ideal, rich yellow bedding Canna; the flowers of a good size, are held well above the foliage. The color is a rich golden yellow, a shade that can be seen as far as the eye can carry.

**Maros**—The best white flowering Canna. Its flowers of creamy white are produced very freely on stems thrown well above the foliage.

**King Humbert**—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow Canna, or vice versa, placing it around a centre of a tall yellow variety. 8c. each; 75c. per doz.



King Humbert Canna

**Uncle Sam**—Clear, deep orange flowers, borne in large clusters; often a foot across each, branching stems, about 4 feet; strong vigorous grower. 10c. each; \$1.00 doz.

**J. D. Eisele**—Brilliant vermillion scarlet. 3½ feet.

**Jean Tissot**—Brilliant vermillion, orange shading. 3½ feet.

**Louisiana**—Large orchid flowering, beautiful orange scarlet; 5 feet; green foliage. 10c. each; \$1.00 doz.

**Gladiator**—One of the finest bedders,

color deep yellow freely dotted with red; 4½ feet; green foliage.

**Florence Vaughan**—Grows 5 feet high; green foliage, rich golden yellow, dotted red.

**Richard Wallace**—Very large, 4 feet high; green foliage, yellow flowers.

**Queen Charlotte**—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a centre of scarlet; 3 feet high; green foliage.

All Canna Bulbs, 6c. each; 60c. doz., unless specified.

## AMARYLLIS (READY IN AUGUST)

Extremely ornamental house plant, with large, fragrant, beautifully colored flowers; with a little care they will bloom every season.

There are a great many species of Amaryllis, all producing lily-like flowers, but varying in color from rich crimson and scarlet to pure white, and in size from delicate blossoms scarcely an inch in diameter to those six to nine inches across.

**Belladonna**—Pink. 25c., postpaid.

**Johnsoni**—Red and white; extra large bulbs. 35c. each, postpaid.



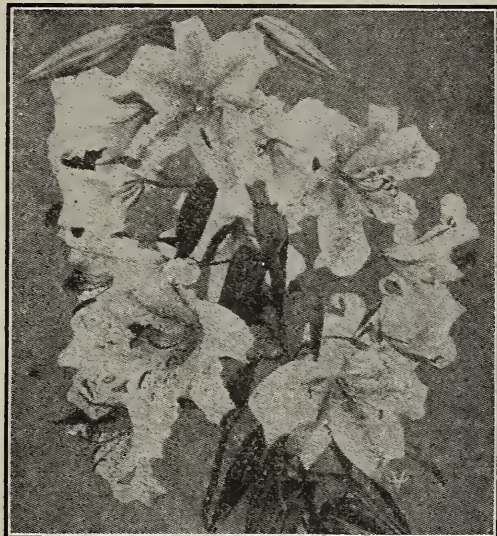
Amaryllis



## HARDY JAPANESE GARDEN LILIES

All herbaceous borders should have a few Lillies scattered through them. The sorts offered below can be planted with excellent results during the early Spring months. It is in the hardy border that Lillies do best, as they get the benefit of the shade of the surrounding plants, which is so necessary for their welfare; other varieties should be planted in the Autumn, and are offered in our Autumn catalogue.

**Auratum (Gold-banded Lily)**—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the centre by a golden yellow. 30c. each; \$3.00 per doz.



*Lillium Auratum*

**Speciosum Album**—Large white flowers of great substance, with a greenish band running through the centre of each petal. 30c. each; \$3.00 per doz.

**Speciosum Rubrum, or Roseum**—White, heavily spotted with rich, rosy-crimson spots. 30c. each; \$3.00 per doz.

**Speciosum Magnificum**—Rich, deep red. 30c. each; \$3.00 doz.

**Tigrinum Splendens. (Single Tiger Lily)**—Very large flowers; orange, spotted black. 30c. each; \$3.00 per doz.

**Tigrinum Pleno. (Double Tiger Lily)**—Like above, but double. 30c. each; \$3.00 per doz.

## PLANT DEPARTMENT

**NOTE.**—All Plants are forwarded by Express, purchaser paying charges. If wanted by Parcel Post add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River. Roses by Express only.

Plants should be sent by Express whenever possible, to insure safe delivery.

We are pleased at all times to submit plans and suggestions for laying out hardy plant borders, evergreens, orchards, etc. We are not, however, prepared to undertake the planting thereof, but can recommend good, reliable parties for this. Correspondence solicited.

## ROSES—Perpetual, Tea and Climbing

**Special Directions for Planting Roses**—Open a good space in the soil and spread roots; never cramp them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground, and never the main stem, but too deep is as bad as too shallow.

low; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within 6 inches above ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your Roses with "Ground Bone" and "Pulverized Sheep Manure" or "Poudrette." Mulch the ground during Summer. The best remedy against the rose bug is *Thanatus*; this positively destroys them and does not injure the flower or blossom. See index page.

## CLIMBING ROSES

**Tausendschoen, or "Thousand Beauties"**—A beautiful, new climbing Rose, which has leaped into popularity by its inherent merit and beauty. The name "Thousand Beauties" is very appropriate and refers particularly to the wonderful variety of colorings found on any one plant. The flowers are soft pink at first, but as they age the most beautiful shades of carmine-rose, cerise, blush and soft white with a gleam of light yellow, soft crimson and intermediate tints; a combination of charming coloring, which is bewildering. \$1.25 each.

**Excelsior**—A distinct variety in form, color and habit. The color is an intense crimson-maroon, with tips of the petals tinged scarlet. Flowers are large and double, produced thirty to forty on a stem, and almost every eye on a shoot produces a cluster of bright blossoms. The individual flowers are very large for a climbing Rose, being similar to those of the General Jacqueminot, only the petals are of a more loose form. This may be termed a great improvement on the Crimson Rambler, which it is sure to supercede, if only on account of its foliage, which is mildew proof; waxy, healthy and lustrous. \$1.25 each.

**White Dorothy Perkins**—Exact counterpart of Pink Dorothy Perkins, excepting color. \$1.00 each.

**Reine Marie Antoinette**—Frequently referred to as the red Gloire de Dijon. It is an exceptionally good variety and will please everyone who favors climbing roses. A sturdy climber and ever bloomer, thriving especially well in protected positions. Elegant in bud, with large foliage, free from mildew. \$1.25 each.

**Silver Moon**—Flowers very large, four and one-half inches and over in diameter, pure white in color, petals of great substance, beautifully cupped, forming a Clematis-like flower. The large bunch of yellow stamens in the centre adds to its attractiveness. These flowers are borne on strong stems 12 to 18 inches long, and are delicately scented. The plant is a strong grower, with large, glossy bronze-green foliage. Strong two-year-old plants. \$1.25 each.

**Crimson Rambler**—Large clusters of crimson flowers. \$1.00 each.

**Dorothy Perkins**—Soft shell pink, flowering profusely in large clusters. \$1.00 each.

**Aviator Bleriot**—(The New Yellow Rambler)—We have discarded the old yellow Rambler in favor of this new variety, in which we have a strong growing plant with beautiful glossy, insect and disease-proof foliage, and bearing large clusters of medium-sized full double flowers of a saffron yellow, deeping to an almost golden-yellow at the centre. Strong two-year-old plants. \$1.25 each.

**Climbing American Beauty**—Flowers are very full, double, often 5 inches across and of a rosy crimson; a splendid pillar rose. \$1.25 each.

Gentlemen—The Jonquils I bought of you last Fall are blooming and are perfectly magnificent. Very truly,  
MARY JAISER, Hampton, Va.



## TEA, OR MONTHLY BLOOMING ROSES

All our roses are two-year-old vigorous plants. Price, \$1.25 each.

**Killarney**—This is, perhaps the best known of Dickson's famous Irish Hybrid-Tea Roses, and is one of the most popular of our garden Roses, and also one of the leading varieties for winter cut flowers. It is perfectly hardy; in growth it is strong and robust and as free-flowering as any Rose we know. In color it is a sparkling brilliant pink; the blooms are large, the buds long and pointed, the petals very large and of great substance, and just as handsome in the full-bloom flower as in the bud form.

**White Killarney**—A pure white sort of the popular Killarney Rose; identical in every way with its parent, excepting in color, which is a pure white.

**My Maryland**—One of the finest American introductions. Very free-flowering, every shoot bearing one or more flowers, which are double, of perfect form, of a bright but tender salmon-pink, which lightens up beautifully as the flower expands; delightfully fragrant.

**Pink Maman Cochet**—Deep rosy-pink.

**White Maman Cochet**—Snowy-white blooms.

**Kaiserin Augusta Victoria**—Pure white.

**Gruss an Teplitz**—Rich rosy-red.

**Richmond**—Fine dark red, good free bloomer.

**Helen Gould**—Rosy-red.

**American Beauty**—Deep crimson.

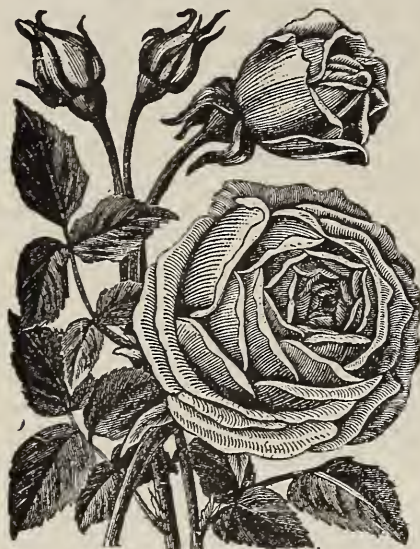
**Hermosa**—Fine, old, pink rose.

**L. France**—Fine pink.

**Laurent Carle**—Deep rosy carmine; full flowers.

**Chateau de Clos Vougeot**—Deep velvety crimson; medium-sized blooms.

**Mrs. Aaron Ward**—A conspicuous rose on account of its coloring which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite.



Radiance

**Radiance**—Bright pink, full flowers; freely produced.

**Friedrichsruhe**—Dark velvety maroon red, very fine flower.

**Dinsmore**—Beautiful bright red, exquisite flower and good bloomer, very finely scented.

**Miss Alice de Rothschild**—Of recent introduction. In color a rich, deep citron-yellow, which intensifies as the bloom expands. The flowers are very large, full and of perfect form, with highly pointed centre; the petals charmingly reflex. The growth is vigorous, erect and free, continuous in blooming, deliciously fragrant; a superb Rose in every respect.

**Souvenir de President Carnot**—A Rose that pleases everybody; fine in form, of large size and delicate in color; a soft rose shading to white.

**Rhea Reid**—Splendid form; good rich red color; a grand rose.

**Mrs. B. R. Cant**—Clear, bright rose; very double and sweet; an immense bloomer.

**Souv. of Watton**—Fine red, good flower; profuse bloomer.

All two-year-old vigorous plants.

All of these varieties have given good results for outdoor culture. Price, each, \$1.25.

## HYBRID PERPETUAL ROSES

All two-year-old vigorous plants.

**General Jacqueminot**—Brilliant scarlet-crimson; an old favorite and one of the best known roses in cultivation; does well everywhere.

**Paul Neyron**—Clear shining pink, very fine. The largest of all rose blooms, very double and full, finely scented, grows to great height in a single season and stems are almost thornless.

**Frau Karl Druschki**—This is the ideal hardy white Rose, pure in color, perfect in form; strong grower and remarkably free-flowering; superb in every way. All the above, \$1.25 each.

**Geo. Dickson**—A majestic Rose whose imperious size, contour, color, and rare perfume (rich syrupy-rose-tea)—each the last word in what a Rose should be—at once stamp it as a perfect Rose and a Rose without compeer. The color is velvety-black, scarlet-crimson with brilliant scarlet reflexed tips, with heavy and uniquely pure crimson-maroon veining on the reverse. The blooms open naturally. Awarded Gold Medal, National Rose Society of England. \$1.50 each.

## M.-S. EARLY-FLOWERING CHRYS- ANTHEMUM PLANTS

For Parcel Post, add 5c. a Plant. Dozen Lots per Express Only.



**Crimson Marie Masse**—A crimson sport.

**Ralph Curtis**—Creamy - white sport of M. Masse.

**Horace Martin**—Deep - yellow sport of M. Masse.

**Miss Marie Masse**—Beautiful lilac mauve.

**Bobby Burns**—A rosy cerise.

**White Quintus**—Pure white.

**M. Cassimer Perrier**—White, tinted pink.

**Louise Le-maire**—Beautiful golden-yellow.

**C. H. Totty**—

A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.

**Colonel Appleton**—At one time the most largely grown yellow in cultivation. It is too well known to need description.

**Mary Mason**—Gigantic, bronzy-red; one of the handsomest varieties and easiest doers in cultivation.

**Mrs. O. H. Kahn**—A first-class bronze; comes good on almost any bud, but produces the best color from a bud taken August 20th or later. One of the finest varieties in the bronze section.

All of these Early Flowering Varieties have given good results for outdoor culture. Ready for delivery after May 1st. Each, 25c.; \$2.50 per doz.

## HARDY POMPON CHRYSANTHEMUM

These are now universally popular for outdoor bedding, and, considering their many good qualities, there is no cause for surprise to see them cultivated so extensively. They produce a lavish profusion of blooms, giving color, life and beauty to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut late in November. They are quite hardy if planted in a well-drained position, and, with a slight covering of leaves or litter during the winter, will take care of themselves after once planted.

**Pink Diana**—Fine free blooming.

**Early Bronze**—Very effective.

**Golden Martha**—Profuse bloomers.

**Florence Stanton**—Gold, good size.

**Garaza**—Single white.

**Little George**—Red, true Pompon.

**Donald**—Pink, true Pompon.

**Alma**—Light pink, true Pompon.

**Golden Climax**—Yellow, true Pompon.

**Diana**—White, true Pompon.

**Ida**—Light yellow, true Pompon.

**Waco**—White, good size.

All these above, 25c. each; \$2.50 per doz.

Mr. John C. Miller, of Rossville, Md., says: We bought our seeds from you this past season. Everything was satisfactory and turned out true to name. You shall have my order next season.



**HARDY PERENNIAL PLANTS**

Ready April 15th.

For Postage add 5c. each. Dozen Lots Express Only.

**Delphinium, or Larkspur (Hardy)**

<b>Aconitum</b> (Monk's-hood).....	Each \$0.25
<b>Aquilegia</b> (or Columbine).....	.25
<b>Coreopsis</b> .....	.20
<b>Campanula</b> .....	.25
<b>Digitalis</b> .....	.25
<b>Delphinium</b> (or Larkspur).....	.20
<b>Dianthus</b> (or Hardy Pinks).....	.20
<b>Fox-Glove</b> .....	.20
<b>Funkia</b> (variagated).....	.35
<b>Golden-Glow</b> .....	.20
<b>Gypsophilla</b> (or Baby's Breath).....	.25
<b>Gaillardia</b> .....	.20
<b>Helianthus</b> (or Sunflower).....	.20
<b>Holly-Hocks</b> (Mixed).....	.30
<b>Hardy Primulas</b> (English).....	.20
<b>Hardy Asters</b> .....	.20
<b>Iris Germanica</b> .....	.20
<b>Pyrethrum</b> .....	.20
<b>Phlox</b> .....	.25
<b>Phlox Subolata</b> —Fine for banking.....	.35
<b>Poppies</b> .....	.25
<b>Rudbakkia</b> .....	.20
<b>Spirea</b> (variagated).....	.20
<b>Sweet Williams</b> (Mixed or New Port Pink).....	.20
<b>Snap-Dragon</b> .....	.20
<b>Shasta Daisy</b> .....	.20
<b>Veronica</b> .....	.20
<b>Lily of the Valley Clumps</b> .....	.25

**TRITOMA**

(Flame Flower, Torch Lily, or Red Hot Poker Plant).

In mid-Summer and Autumn, when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with Autumn leaves or ornamental grasses make a handsome effect. The roots are considered hardy, though we, however, recommend that they be lifted in the Autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fills every need.

**Pfitzeri**—Blossoms from August till October; rich orange scarlet.

We are now taking orders for next May delivery for good, strong plants. 35c. each.

**THE EVERBLOOMING BUTTERFLY BUSH**

(Buddley's Variabilis Magnifica)

Read What They Say About It

It was a matter of some thought before we finally christened this highly desirable plant with the common English name by which it goes. Several years ago we imported from Europe some plant novelties and this was among them. We observed it carefully for a season, and were charmed with its beauty, ease of culture and free-flowering habit. The name "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vying with it in brilliancy of color. This shrub from a young plant set out in May will mature to full size the first season, producing a handsome bush which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flowerhead which is frequently ten inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frost nips it. It is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and while perfectly hardy, we do recommend covering the roots with manure, as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border.

**Special Merits:**

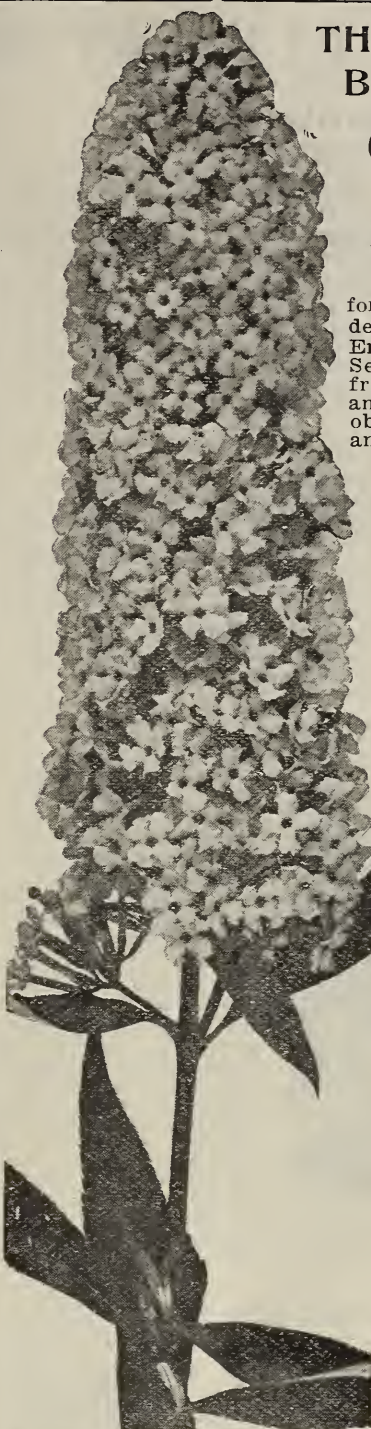
1. Very hardy.
  2. Blossoms the first season.
  3. Flowers from early summer till frost.
  4. Rich, striking color.
  5. Splendid for cutting. Very free flowering.
  6. Will thrive anywhere.
- Order early, as last year we could not supply sufficient. Price for strong young plants, which will bloom the first season (ready in May), 60c. each; \$6.00 doz.

**German Iris (Germanica)**—The popular Flag Iris, which thrives so well in our section.

30c. each; \$3.00 per doz.

**Japanese Iris (Kempferi)**—Very beautiful flowers, very large, which, however, do not last as long as the German Iris.

35c. each; \$3.50 per doz.



Flowerhead or Butterfly Bush



German Iris

Gentlemen—The Butterfly Bush I bought of you is 5 feet high and 5 feet in diameter; flowers 8 to 12 inches long. There were 175 flowers on one bush which has been blooming since June 1st.

Yours truly,

CHARLES W. ARMIGER, 3019 Brighton St., Walbrook, Md.



Write for Prices on Larger  
Quantities.

## NURSERY DEPARTMENT

Sent via Express or Freight  
Only.

### HARDY AND DECORATIVE DICIDUOUS SHRUBBERY



M-S. Tree Hydrangea

Golden Elder—75c.  
Jessamine—Yellow. 75c.  
Purple Fringe—75c.

Almond—Red or white flowering. \$1.00.  
Althea—White, purple red. 75c.  
Bridal Wreath—White flowers. 75c.  
Dutzia—Pink or white flowering. 75c.  
Forsythia—Yellow, very early. 50c.  
Hydrangea—Bush, white, turning red. 75c.  
Hydrangea—Tree, white, turning red. \$1.50.  
Lilac—Purple or white flowering. 75c.  
Magnolia—White and purple flowering. \$3.25.  
Mock Orange—Golden leaved. 75c.  
Pirus Japonicus—Japan Quince. Scarlet. 75c.  
Spireas—Crimson, white or pink flowering. 75c.  
Snow Berry—White and Crimson. 75c. each.  
Tamarix Africano—75c.  
White Fringe—75c.

### RHODODENDRONS



M-S. Rhododendrons

Best Named Varieties—About 18, 24 and 36 inches high, good bushy plants, set with bloom-buds; \$2.50, \$3.50 and \$5.00 each.

We offer a very superior quality of plants. The varieties we supply are of unquestioned hardiness, and are certain to give first-class results when properly planted. They require a deep and light soil, and a bed for them should be dug out to the depth of 2 feet and filled in with light, loamy soil mixed with one-half its bulk of turfy sods chopped up fine. No manure should be mixed in the soil, but an annual mulching of cow-manure is beneficial.

### SHADE TREES



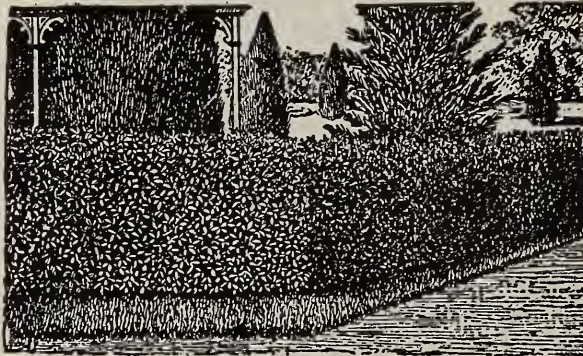
Norway Maples—8-10 ft., \$1.75; 10-12 ft., \$2.00.  
Silver Maples—10-12 ft., \$1.50.  
Catalpa Bungei—grafted—6-8 ft., \$3.00.  
Poplar, Carolina—10-12 ft., \$1.50.  
Poplar, Lombardy—8-10 ft., \$1.25.  
Teas Weeping Mulberries—5-6 ft., \$3.00.  
Weeping Willows—5-6 ft., \$1.25.  
Betula Alba, or White Birch—8-10 ft., \$1.50.  
American Lindens—8-10 ft., \$1.50.  
Japanese Maple—Blood Leaf—2-3 ft., \$3.00.  
Cornus Rubra, or Red Dogwood—2-3 ft., \$3.00.  
Cornus Florida, or White Dogwood—3-4 ft., \$1.75.  
Oriental Plane—10-12 ft., \$1.50.  
American Elm—10-12 ft., \$1.50.  
Sycamore—10-12 ft., \$1.50.  
Tulp Tree—8-10 ft., \$1.50.

### HARDY AZALEAS

We make a specialty of Hardy Azaleas. The Azaleas are the most beautiful and desirable flowering shrubs in cultivation and a collection should be included in every garden. All Azaleas can be grown in partial shade. Named varieties, \$1.25, \$1.75, \$2.50.  
Yucca (Adams Needle)—Sword-like foliage, tropic effect. Large, white bell-shaped flowers; a majestic plant. 75c. each.

### HEDGE PLANTS

California Privet is somewhat of an evergreen nature, and looks attractive until real winter sets in. To establish a good



Hedge of California Privet

hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive an additional liberal application of pure bone meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each

other; this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th.

Two years, 3 to 4 ft., \$6.00 per 100; \$45.00 per 1000. Two years, 2 to 3 ft., \$5.00 per 100; \$37.50 per 1000. Two years, 1½ to 2 feet, \$4.50 per 100; \$30.00 per 1000.

Berberis Thunbergii (Japanese Barberry)—A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant lighe green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Price of Berberis, 1½ to 2 ft., \$4.50 per doz.; \$20.00 per 100; 2 to 3 ft., \$5.00 per doz.; \$37.50 per 100.

### EVERGREEN SHRUBS AND TREES



Mahonia Aquifolia—Holly-like leaves, very handsome yellow, flowers in May; especially good for shady places; 18 to 24 inches. \$2.00 each.

### SELECTION OF M-S. EVERGREENS

Arborvitae American. Firs, Balsam and Nordmans. Junipers, Irish and Japanese. Pine, White, Scotch

and Austrian. Retinosporas, Plumosa and Plumosa Aurea. Squorasa Veitchii, Spruce, Norway, Kusters and Colorado Blue. Yew, Drupacea and Fortunis Boxwood. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety.

### BOXWOOD

Possibly no other shrub has been so much used for marking the boundaries of formal gardens, to outline flower beds, for low hedges, and for other ornamental purposes.

Boxwood—Pyramid shaped, 2 to 3 feet. \$4.00 to \$5.00 each.

Boxwood—Globe shaped, 1 to 1½ feet. \$1.50 each.

Boxwood—Young potted stock; fine for edging. 35c. to 50c. each; \$3.50 per 100.

### HARDY CLIMBING PLANTS (All Strong Vines)

Clematis—Large flowering; purple, white or red. 75c. each.

Clematis Panchulata—Small flowering, white. 50c. each.

Wisteria—White or purple. 75c. each.

Trumpet Vine—75c. each. Honeysuckle, 50c. each.

Ampelopsis Veitchii—Boston or Japan Ivy. 50c. each.

Va. Creeper—50c. each. English or Hardy Ivy—50c. each.

### ORNAMENTAL GRASSES

Pampas Grass (Eulalia)—Striped lengthwise. 50c. each.

Pampas Grass (Zebra)—Striped crosswise. 50c. each.

### BEDDING PLANTS, ANNUAL CLIMBERS, ETC.

All kinds. Prices on application. Furnished from April 15th to June 1st.



# FRUIT TREES, BERRIES AND GRAPES

## PEARS



**Bartlett**—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

**Flemish Beauty**—Large, beautiful, juicy, melting; good bearer.

**Howell**—Large, light, waxon yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

**Keiffer**—While not of the best quality, properly ripened it is the very best for canning and preserving.

**Lawrence**—Fruit medium, canary-yellow, sweet, good keeper.

**Le Conte**—Very large, greenish-yellow, handsome; juicy. Early.

**Rossney**—A large variety of rare merit; ripening in September.

**Worden-Seckel**—A seedling of the Seckel. Equal in quality to its famous parent, but larger; fruit keeps well.

Any of the above extra strong trees, 5 to 7 feet high, \$1.00 each. We can also supply all other varieties.

## CHERRIES

**Black Tartarian Cherry**—Very large, purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July.

**Governor Wood**—Yellow; **Flor-ence**, Red; **English Murillo**, red tart and other leading varieties. \$1.00 each.

## APPLES

**Baldwin**—Large, roundish; deep bright red; very productive; handsome fruit.

**Ben Davis**—Large, handsome, striped; productive; a late keeper.

**Grimes' Golden (Grimes' Golden Pippin)**—Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.



Black Tartarian Cherries

**Maiden's Blush**—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant flavor.

**Red Astrachan**—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

**Rhode Island Greening**—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

**Smokehouse**—Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish; very productive.

**Northern Spy**—Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor.

**Wine Sap**—Medium size, dark red; of rich flavor, very productive; late.

Any of the above in 6 to 8-ft. trees. \$1.00 each.

We can also supply all other varieties, also Crab Apples.

## PLUMS

**Abundance**—The fruit is very large, showy, and beautiful. Amber, turning to a rich, bright cherry color. Ripens in August.

**Burbank**—Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty yellow.

**Hale**—The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

**Red June (Japan)**—Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

**Sultan**—Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

**Wickson**—Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper.

**Wild Goose**—Large, rich, crimson; productive and profitable.

Extra strong Trees, 5 to 6 feet high, \$1.00 each.

Quinces, Apricots and other fruit trees, as well as nut trees, can be furnished promptly at reasonable prices for Reliable Stock. Write for prices.

## GOOSEBERRIES

Gooseberries should be cultivated during the growing season and fertilized with manure in the early Spring or late Fall. They will repay you for this trouble with an extra big crop.

**Downing**—Fruit medium to large, whitish green; flesh soft, juicy. Each, 25c.; \$2.25 doz.

**Houghton**—Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale, red, tender and good. 25c. each; \$2.75 doz.

Popular Varieties—50c. each; \$4.00 dozen.

## CULTIVATED RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

**Brilliant**—Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. 30c. each; \$3.00 doz.

**Cuthbert**—Berries very large, measuring 3 inches around; conical; rich crimson. 30c. each; \$3.00 doz.

**Columbian**—Fruit very large, often an inch in diameter; color dark red, bordering on purple. 30c. each; \$3.00 doz.

**St. Regis**—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November. 25c. each; \$2.50 doz.

## CURRENTS

(Extra Strong Plants)

Currents like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Black Naples**—Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

**Cherry**—Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red.

**Fay's Prolific**—Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**White Grape**—Clusters long; berries very large; of very attractive color, mild flavor and good quality.

All the above 40c. each; \$4.00 dozen.

## PEACHES

Trees such as we furnish will often bear the year after they have been set out.

**Crawford's Early**—The best yellow peach; large, oblong; skin yellow, with fine red cheek; juicy; wonderfully productive.

**Crawford's Late**—Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

**Elberta**—Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Follows Early Crawford.

**Mountain Rose**—The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

**Oldmixon Free**—Uniformly large; white, covered with bright red; one of the best.

**Stump the World**—Very large; skin white, with bright cheek; flesh white, juicy and good.

Extra strong Trees, 5 to 6 feet high, \$1.00 each. We can also supply all other varieties.

## STRAWBERRY PLANTS

Ready from April 1st to May 15th, and from September 1st to November 15th.

**Early Varieties**—Senator Dunlap Early Jersey Giant, Excelsior, Superior, Klondyke, etc.

**Mid-Season Varieties**—Nick Ohmer, William Belt, Marshall, New York, Tennessee, Prolific, Glen Mary, Magic Gem, etc.

**Late Season Varieties**—Gandy, Chesapeake, Chester, Aroma Stevens, Late Champion, etc.

Price of any of the above 50c. doz.; 100, \$2.25; 1,000, \$10.00.

**Everbearing**—Superb and Progressive. 25, \$1.00; 50, \$1.75; 100, \$3.00.

**Pot-Grown Strawberry Plants**—Ready about August 1st. We grow the plants in pots, and when they are well established and ready to



ship, turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transplanted safely and satisfactorily. Plants set out in August and September will yield a crop next season. We can furnish most all popular varieties. \$1.00 per doz.; 100, \$8.00. Everbearing, \$1.25 doz.; 100, \$9.00.

## GRAPE VINES

**Concord**—The well-known standard purple variety.

**Delaware**—Bunches and berries rather small; light red; juicy.

**Catawba**—Delicious flavor, medium size red berry.

**Niagara**—Berries large, light greenish-white.

Any of the above 75c. each.

Two-year old stock.





# "M. S." STANDARD INOCULATING BACTERIA

Grown Direct From the Nodules.

Highest Possible Virility. Increases the Yield. Enriches the Soil. Hastens Maturity. Improves Feeding Value.

**SAVES FERTILIZER BILLS**



**Soy Bean Roots**

Prepared for

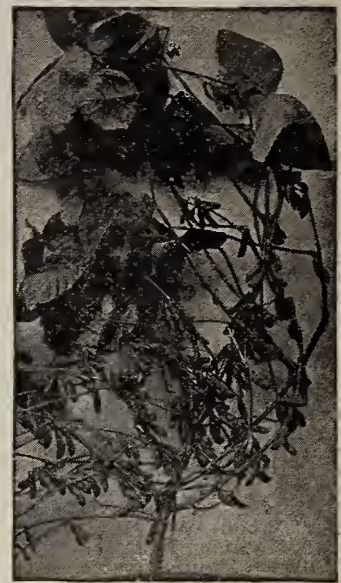
Alfalfa	Crimson Clover	Garden Peas
Soy Beans	Alsike Clover	Garden Beans
Cow Peas	Vetch	Peanuts
Sweet Clover	Canada Peas	Sweet Peas
Red Clover	Field Peas	

and all other legumes

## PRICES

Garden Size.....\$ .50	2 Acre Size..... 1.45
1 Acre Size..... .75	4 Acre Size..... 2.25
6 Acre Size..... 3.00	

Sent postpaid on receipt of price. One acre size sufficient for about 20 pounds of alfalfa, clover, or other small seed, and for about 90 pounds of peas, beans, or other large seeds.



**Soy Bean Plant**

M. S. Standard Inoculating Bacteria are grown direct from the nodules. All bacteria sent out are of the second generation from the nodules. This laboratory technique in the preparation of these cultures insures the highest possible virility and therefore positive inoculation and an abundance of nodules. It is a fundamental of bacteriology that the further removed from the initial germ, the less viril. Bacteria planted and replanted to generations far remote cannot and do not insure healthy inoculation and use of such often result in failure. M. S. Standard cultures bred direct from the nodules and furnished to you only one generation removed from such nodule is what has placed them at the head of the list of all legume cultures and caused them to be the most widely used in the United States.

M. S. Standard cultures are not cheap cultures. They may be cheaper in price than some, but in price only. The price is still consistent with high quality. They cannot be made better even if ten times the price were offered. Every package is fully guaranteed.

Not only in viril properties do M. S. Standard cultures excel, but the character of the containers has much to do with preserving and insuring such virility right up to the time of use. They are put up in amber-colored bottles (excluding the blue light ray which is deadly to many germs) with rubber corks and with glass

air tubes and cotton filters. Thus prepared all foreign and destroying germs are excluded, yet the nitro bacteria within the bottles are fed with sufficient nitrogen to keep them alive and viril even for years.

All legume crops should be inoculated. Few soils contain sufficient bacteria to provide self-inoculation. Artificial inoculation with pure cultures has long since been determined by the experiment stations to be the only safe and sure way. Few soils, unless heavily fertilized, contain enough nitrogen to carry a legume crop to maturity and a maximum yield unless the proper inoculating bacteria be present in the soil and active. Inoculated legumes take their supply of nitrogen from the air and not only feed themselves during growth, but store up a surplus in the nodules formed on the roots as a supply for succeeding crops. But unless such proper bacteria are supplied or present there will be no nodules. Neither will the crop be a maximum. A good legume crop will store up in soil for use of future crops as much nitrogen as can be obtained for thirty to fifty dollars in commercial nitrogen carrying fertilizer materials. Take no chances. Inoculate all legumes with M. S. Standard cultures.

When ordering, state crop to be inoculated. M. S. Standard Bacteria grown direct from the nodules are fully guaranteed.

## "M.S." STANDARD FLOWER AND GARDEN FERTILIZER

A powerful, highly concentrated and soluble plant food for

**Flowers, House Plants, Lawns, Shrubbery and Gardens**

The most highly concentrated and properly balanced fertilizer ever compounded.

Many times the strength of ordinary fertilizers. Never before has such a high analysis been attained.

So strong that a pinch will intensely fertilize a house plant, a small package 200 square feet.

Promotes quick and luxurious growth and deep green color to foliage and gives rich brilliant color to flowers.

M. S. Flower and Garden Fertilizer will revive those puny, pale, sickly plants, flowers, shrubs, etc. A trial will convince.

## PRICES

1/2 lb. package .....	\$ .40
1 lb. package .....	.75
5 lb. package .....	2.25
25 lb. bag .....	6.50

## ANALYSIS

Nitrogen .....	15 to 17%
Equiv. Ammonia .....	18 to 20%
Avail. Phosphoric Acid .....	10 to 12%
Potash (K-2-O) .....	8 to 10%

Can be used dry or dissolved in water. Full directions on every package. It is odorless.



# FERTILIZERS AND PLANT FOODS

## For the Farm, Garden, Lawn and House Plants

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

**Fertilizers**—If to be sent by Parcel Post, please include sufficient for postage according to weight and zone.

**Ober's Pure Raw Bone Meal**—(Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%, ammonia 4½%). Does not burn. For flowers, trees and top dressing. 1 lb., 8c.; 25 lbs., \$1.75; 100 lbs., \$4.00; 200 lbs., \$7.50; ton, \$65.00.

**Ober's Pure Bone Meal**—(Guaranteed analysis—Phosphoric acid 22%, equivalent to bone phosphate of lime 50%, ammonia 3%). Splendid article for building up worn out soil, lawns, etc. 1 lb., 7c.; 25 lbs., \$1.50; 100 lbs., \$3.50; 200 lbs., \$7.00; ton, \$60.00. trucking are the highest priced lands in America, and profits

**Ober's Special Plant Food**—2-9-5. Lands suitable for trucking are the highest-priced lands in America, and profits must necessarily be large. Successful market gardeners realize what the liberal use of commercial fertilizers mean. First, strong and healthy plants; for plants, like persons, are, when poorly nourished, very subject to disease. Second, early and large crops, which result in more profit per acre. Third, sweet and tender fruit, the result of rapid growth and quick maturity. For foliage crops, such as cabbage, lettuce, spinach, etc., ammonia is needed; for woody plants and for fiber, phosphoric acid; for fruit, sugar and starch productions, potash. Vegetable and Truck Compound meets all these conditions and is excellent for general use in market gardening. Ton, \$57.50; 167 lb. bag, \$6.25; 100 lbs., \$3.75; 50 lbs., \$2.50; 25 lbs., \$1.50; 1 lb., 7c.

**Ober's Farmers' Standard, High Grade All-around**—For potatoes and general crop. Ton, \$48.00; 167-lb. bag, \$6.00.

**Ober's Sol. Amm. Super Phos. of Lime**—2-8-2. Ton, \$47.00; bag, \$6.00.

**Ober's Special Tobacco Bed**—10-4. Ton, \$85.00; 167-lb. bag, \$9.50.

**Ober's Golden Seal Tobacco Guano**—3-8-1. Ton, \$50.00; 167-lb. bag, \$5.75.

**Ober's Farmers' Mixture Fertilizer**—1-9-2. To be highly recommended for potatoes and vegetables. 167-lb. bag, \$5.00; ton, \$40.00.

**Ober's Independent**—1-8-1. A good all-around fertilizer. 167-lb. bag, \$4.50; ton, \$36.00.

**Ober's Electro Compound**—1-10-0. A general crop producer. 167-lb. bag, \$4.25; ton, \$35.00.

**Acid Phosphate, or South Carolina Rock**—16 per cent. 167-lb. bag, \$3.50; ton, \$29.00; 14 per cent, \$27.00 per ton.

## M.=S. PREPARED FIBRE COCOANUT SOIL

Grow Your House Bulbs Without Soil, Drainage or Saucers.

The Best and Most Charming Way of Producing Spring Flowers for House and Table Decorations.

Highly recommended and valuable for wornout soils. Should be worked in with soil. For lawns, trees, hedges and shrubbery. Also for house plants of all descriptions. It does not create or retain bugs or flies, and is clean and odorless. For mushrooms it is the missing link, a cover for the beds; holds just enough moisture; mix three-fourths "M.-S." Prepared Fibre Coconut Soil with one-fourth loam and your plants will be the right color and of uniform size. Qt., wt., 1 lb., 10c.; 4 qts., wt., 5 lbs., 20c.; pk., wt., 9 lbs., 35c.; bu., wt., 35 lbs., \$1.00. Weights are a guide for parcel post orders only, the fibre is sold by measure.



## POP CORN

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice—Lb., 20c.

Corn Poppers, 25c. and 50c. each. (Parcel Post weight, 2 pounds).

# LIME-FERTILE

For gardens, lawns, farm crops, for inoculating alfalfa, for potted plants and greenhouses. It contains Lime, Humus, Nitrogen, Phosphorus and

Potash, which are the elements that are necessary to all growing plants. For gardens spread at the rate of 100 pounds to 1500 square feet and 1½ ton to the acre, rake or harrow thoroughly during growing season. Lime Fertile may be used as a top dressing, working it around the plants. For lawns use same quantity, rake and roll it. Lime Fertile cannot burn the grass or soil. For farm crops apply with drill at the rate of 200 to 400 pounds per acre. For alfalfa inoculation spread from 1 to 1½ tons per acre. For potted plants and greenhouses, mix with the soil in the flower pot or bench, so that the top inch or two contains about one-fourth Lime Fertile, water after mixing. 5-lb. pkg., 40c.; 25-lb. bag, \$1.00; 100-lb. bag, \$2.50; ton, price on application.

**Humus**—A good plant food to be applied at any time. Price, \$2.00 per bag of 100 lbs.; in 5-bag lots, \$1.75 per bag; in ton lots, \$1.25 per bag; 5c. per lb. in small quantities.

**Sheep Manure (Master Brand)**—Pulverized, guaranteed analyses, 2¼ per cent. Am.; 1½ per cent. Phos. Acid; 1½ per cent. Potash. Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 1 lb., 6c.; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00. Ton price on application.

**Poudrette (Native Guano)**—Apply 1,000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled, besides giving immediate results. 5 lbs., 25c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; \$3.75 per 200 lbs.

**Lime (Hydrated or Powdered)**—This is a very fine article for distributing on grass. It promotes growth; gives the grasses rich color, and has a tendency to prevent the growth of weeds; sweetens sour soil. Apply one ton per acre of fields or ½ ton on lawns. Lb., 3c.; 50-lb. bag, \$1.25; 100 lbs., \$2.00.

**Nitrate of Soda**—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizer to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ounces to one gallon of water and do not apply oftener than twice a week. 15c. lb.; 2 lbs., 25c. Write or inquire for prices in larger quantities.

**Land Plaster**—Apply about 1,000 to 1,500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green. 5 lbs., 20c.; 50 lbs., \$1.00; \$1.50 per 100 lbs.; 200 lbs., \$2.00.

**Blood (Dried)**—For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 15c. per lb.

**Salt**—For agricultural purposes. 200 lbs., \$2.25; ton, price on application.

**Tobacco Stems**—For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. Lb., 5c.; 50 lbs., \$1.25; 100 lbs., \$1.75.

## STERLINGWORTH PLANT FOOD TABLET



**Sterlingworth Plant Food Tablets**—They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a luxuriant, vigorous growth of branch leaf and flower. Thousands of plant lovers who do not keep plants would do so if they knew how beautiful and luxuriantly they could make them bloom by feeding them Sterlingworth Plant Tablets. 1 tablet to 1 pint water. Prices: Large size, 25c., postpaid; trial size, 10c., postpaid.

**"Fluerette"**—A Liquid Plant Food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nourishes the bloom. Carefully prepared so as not to injure the tenderest shoot peeping through the soil or the most delicate fronds of the fern.

Destroys all germs that breed insects in the soil and feeds the plant at the same time. To be diluted with water and it is ready for use. ½ pint, 20c.; pt., 40c.; qt., 60c.; gal., \$1.75.

## SHEET-IRON CORN POPPER



Patent "Delephos" tinned wire rod operating cover device, running through sheet metal handle, opens and closes cover, preventing finger burns. Improved sunken butter drainer. Size of pan, 7x9x3½ inches; length of handle, 16 inches. Perforated cover for shaking out unpopped grains. Price, 50. Parcel Post weight, 2 pounds.



## INSECTICIDES, FUNGICIDES, WEED KILLER, ETC.

**Arsenate of Lead**—(Paste). For Elm-leaf beetle and caterpillars. Dilute 1 oz. to 1 gal. of water and apply as a spray. 1 lb., 45c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.50; 50 lbs., \$11.50; 100 lbs., \$21.50.

**Arsenate of Lead**—(Powder). Superior to Paste Arsenate. Has more covering capacity. ½ lb., 35c.; 1 lb., 65c.; 5 lbs., \$2.75; 10 lbs., \$5.00; 25 lbs., \$10.50.

**Arsenate of Zinc**—(Powder). 1 lb., 65c.; 5 lbs., \$2.75; 10 lbs., \$5.00.

## ANT-I-CIDE---For Use Against Ants in Lawns

**Prices**—1-lb. box, 30c.; mailing weight, 2 lbs.; 5 lbs., \$1.25; mailing weight, 6 lbs.

**Atomic Sulphur**—For scab and brown rot and cedar rust. 1 lb., 35c.; 5 lbs., \$1.40; 10 lbs., \$2.20.

**Black Leaf 40**. A concentrated nicotine solution for spraying. 1 oz., 25c.; ½ lb., \$1.00; 2 lbs., \$3.25.

**B. T. S.**—A Lime Sulphur Solution in powder form. Directions: For dormant spraying to control scale, etc., use 12 pounds to 50 gallons of water. For growing period spraying on apples to control scab, etc., use 1½ to 2 pounds to 50 gallons of water. 5 lbs., \$1.25; 10 lbs., \$1.80; 25 lbs., \$3.00.

**Bordeaux-Arsenate of Lead Mixture**. (Paste). A combined fungicide and insecticide. Three ozs. to 1 gal. of water. 1 lb., 60c.; 5 lbs., \$2.45; 10 lbs., \$4.00; 25 lbs., \$9.75.

**Bordeaux Zinc**—(Paste). Especially for potatoes and tomatoes. 1 lb., 60c.; 5 lbs., \$2.50; 10 lbs., \$4.25.

**Bordeaux Mixture**—(Paste). A remedy against Fungus, Rust and rot. Five ounces to 1 gal. of water is standard strength. 1 lb., 45c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25.

**Bordeaux Mixture**—(Dry). For mildew and fungous diseases best to use dry. 1-lb. box, 45c.; 5 lbs., \$1.75.

**Bug Death**—Used instead of Paris Green for eating insects on Potatoes, Cucumbers, Squash and Currants. 1 lb., 25c.; 3 lbs., 50c.; 5 lbs., 75c.; 12½ lbs., \$1.50.

**Bug Death Aphis**—A powdered insecticide for soft bodied insects. 12-oz. pkg., 25c.

**Cut Worm Killer**—Very effective. 30c. lb. Parcel Post weight, 2 lbs.

**Calcium Arsenate**—For Potato Bugs. 1 lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25.

**Grape Dust**—For mold, mildew or rust mites, either in green-houses of the open air. 5-lb. pkg., 75c.; 10 lbs., \$1.40.

**Hammonds' Thrip Juice No. 2**—For all sucking insects. ½ pt., 40c.; Pt., 75c.

**Hellebore**—For currant worms and sucking insects. ½ lb., 40c.; 1 lb., 75c.

**Insect Powder (Black Flag)**—For roaches, fleas, etc. Bottle, 15c. and 25c.

**Kerosene Emulsion**—(Concentrated liquid). For plant lice and aphids. 1 qt., 50c.; 1 gal., \$1.50.

**Lemon Oil Co.'s Insecticide**—For all insects and soft scale. Recommended for house plants. ½ Pt., 30c.; Pt., 50c.; Qt., 90c.; ½ Gal., \$1.50; Gal., \$2.50; 5-Gal. Keg, \$10.50.

## LIME SULPHUR SOLUTION

For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 9 or 10 gals. water, stir thoroughly. May be used as a summer or winter spray, excellent to use as a fungicide. Qt., 45c.; gal., \$1.00; 5 gals., \$3.50; 10 gals., \$5.25; ½ bbls. @ 28c. gal.; bbl. lots @ 24c. gal. Express or freight only.

**Nico Fume Paper**—This is the strongest tobacco paper on the market. Does not injure blooms, and furnishes the easiest method for fumigation ever devised. Tin box of 24 sheets, \$1.25; box of 114 sheets, \$5.00; 228 sheets, \$9.50.

**Nico Fume Liquid**—An effective vaporizing liquid. ¼ lb., 65c.; 1 lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

**Paris Green**—¼ lb., 20c.; ½ lb., 35c.; 1 lb., 60c. Prices subject to change.

**Pyrox**—A combined insecticide and fungicide for all leaf-eating insects. Used largely by potato growers. 1 lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$11.00; 100 lbs., \$20.00.

## SCALECIDE---THE TREE SAVER



all dormant spray work 1 part to 15 parts of water. 1 qt., 65c.; 1 gal., \$1.60; 5 gals., \$5.80; 10 gals., \$11.70; 30 gals., ½ bbl., \$27.60; 50 gals., bbl., \$43.00. Last two f. o. b. factory, N. J.

Spray every bush, shrub, vine and tree in your yard in the spring, before they leaf out, with "SCALECIDE" diluted 1 part to 15 parts of water. It will clean them of scale, eggs and larvae of insects, and the spores of fungi, that you can reach while the trees are dormant, allowing them to leaf out in the Spring freed from all these parasites, and giving them a healthy start.

"SCALECIDE" is not disagreeable to handle; does not corrode or stop up your pumps; does not injure the most delicate skin (it can even be placed in the eyes without the slightest inconvenience or injury), and does not stain woodwork. It is not a Summer spray, but the Winter application has an invigorating effect on plant or tree growth.

One gallon of "SCALECIDE" will spray as many trees as 3½ gallons of Lime - Sulphur Solution. Dilute for

**"SULFOCIDE"**—Especially valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt., 60c.; 1 qt., 90c.; 1 gal., \$2.25.

Especially valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt., 60c.; 1 qt., 90c.; 1 gal., \$2.25.

**Slug Shot**—One of the cheapest and best powders for destroying insects, especially on cabbage. 1 lb., 20c.; 5 lbs., 50c.

**Sulphur, Powdered**—For mildew. 1 lb., 15c.

**Thanatus**—For all soft bodied insects; very good. ½ pt., 25c.; 1 pt., 40c.; qt., 75c.

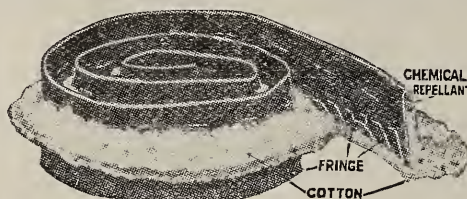
**Tree Wound Paint**—1 qt., 75c.; 1 gal., \$1.75; 5 gals., \$6.00.

**Tobacco Dust**—For fumigating and dusting plants, melons and squash. 1 lb., 10c.

**Tobacco Soap**—One of the best insecticides for general use; for washing and spraying plants. Pkg., 25c.

**Weed Killers**—For cleaning gravel paths, drives and gutters of weeds, moss, etc. A great labor saver. 1 gallon makes 30 gallons liquid. 1 qt., 50c.; gal., \$1.50; 5 gals., \$5.00; 10 gals., \$7.50; bbl., at 65c. gallon.

**Whale or Fish Oil Soap**—Used during the summer as a wash, thus preventing the spread of scale. 1 lb., 30c.; 5 lbs., \$1.25.



## STICKY TREE CORD

A soft cord about ¾ of an inch in diameter, thoroughly saturated and coated with a black sticky material similar in character to that used on sticky fly paper.

Each tube contains approximately 30 feet of cord, sufficient to band about 10 trees one foot in diameter once around, or 10 trees six inches in diameter twice around. It is cheaper than fly paper and cheaper than sticky tree material. Price, 35c. A small clamp to catch hold of the cord is supplied free. Parcel Post weight, 2 lbs.

## INSECT BAN

Save the trees, keeps down all crawling insect pest; easy to apply; fits any kind or size tree.

Price, 15c. foot; Roll, \$1.50, postpaid.



## Hawkeye Tree Protectors



Give dollars worth of protection at a fraction of a cent cost. Don't take a chance with your young trees. One rabbit will kill many in a single night. Protect yours with Hawkeye, the protector that rabbits, mice and other tree gnawers can't gnaw through—the protector that protects against cut worms and prevents trees becoming skinned or bruised by cultivator or lawn mower.

Hawkeye tree protectors are elm veneer chemically treated. They are easily applied to the trees and will last until the tree is beyond the need of protection.

The value of one tree is more than all the Hawkeye tree protectors you need will cost you. Send us your order before some of your trees are killed—you'll regret it if you wait until too late.

**Prices:** 1,000, \$9.00; 100, \$1.25; 50, 75c.; 25c. doz. Parcel Post weight, 3 lbs.

## Tree Tanglefoot

(Caterpillar Preventive)



The destroying army is coming. Don't wait until you see the vaneguard. Band your trees with Tree Tanglefoot two weeks before the Gypsy, Brown-tail and Tussock Moth Caterpillars and Canker Worms, Climbing Cut Worms and Bag Worms begin their ravaging work. Easily and quickly applied. 1 lb., 50c. Mailing weight, 2 lbs. 3 lbs., \$1.45; mailing weight, 4 lbs.; 10 lbs., \$4.50; mailing weight, 12 lbs.

## STERLINGWORTH TARRED FELT DISKS



Sterlingworth Tarred Felt Disks are for protecting cabbage and cauliflower plants, when first set out, against the Root Maggot, and are used by fitting around the stems of the plants. Ordinary tarred paper is useless.

Sterlingworth Tarred Felt Disks are made the right shape of special non-curling material, and are free from imperfections in which the Maggot Fly might find a place to deposit eggs. They are recommended by all Agricultural Experiment Stations, and give practically 100% protection.

Price: 50c. per hundred; \$2.50 per thousand.

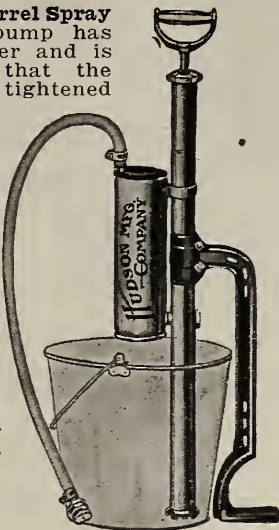




**The "King" Barrel Spray Pump**—This pump has self-oiling plunger and is constructed so that the packing may be tightened without

taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially

prepared and will withstand the action of spraying chemicals longer than any other material and can be replaced in a few minutes at a nominal cost. Dimensions: 1½-in. cylinder, 2-in. air chamber and fastens to chime of barrel. Equipped: 15 ft. of hose, 8-ft. extension pipe, nozzle agitator, etc. **Price, \$15.00.** This does not include the barrel.



**"Magic" Bucket Pump**—This pump is all brass except the foot piece and handle. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet ½-in. spray hose attached with clamps. **Price, \$5.00.** Parcel Post weight, 9 lbs.

## PERFECTION SPRAYER

For potato spraying, whitewashing, disinfectants, cold-water paints, etc. A high-pressure sprayer with the pressure. Capacity, 4 gallons.

Very similar to the well-known Auto-Spray, but has a much more simple locking device. We furnish this pump in galvanized iron and brass, with the automatic shut-off nozzle. Mailing weight, 15 lbs. **Price:**

**Galvanized, \$7.50. Brass, \$10.00.**

**The Easy Sprayer**—This is a Compressed Air Sprayer, made for parties desiring something larger than the hand atomizer, and not as large as the regular compressed air type; it has all the advantages of the regular type. Capacity, 1 gal., galvanized tank. Parcel Post weight, 5 lbs. **Price, \$3.00.**



Perfection Sprayer

## THE AUTO SPRAY

It operates with compressed air; safe and efficient; liquid capacity, four gallons; pressure capacity, 40 pounds.

The Auto-Spray must please, and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same, and the extra cost over the galvanized will prove a good investment.

**No. 1-A Brass**—Equipped with hose and regular nozzle. **Price, \$10.50.** Weight on all four styles, 15 lbs.

**No. 1-B Brass**—Equipped with hose and Auto-Pop Attachment. **Price, \$11.00.**

**No. 1-C Galvanized Iron**—Equipped with hose and regular nozzle. **Price, \$7.00.**

**No. 1-D Galvanized Iron**—Equipped with hose and Auto-Pop. **Price, \$7.50.**



Auto-Spray

**Auto-Pop Nozzle Attachment**—Controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately. **\$1.75 each.** With hose attached, **\$2.25.**

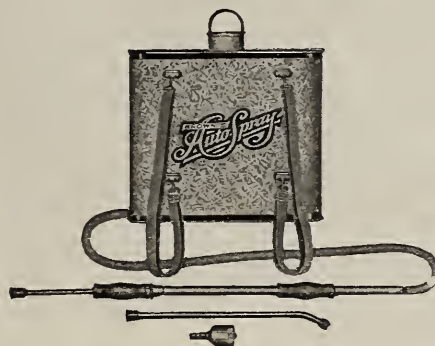
## BRASS STRAINER

For straining white-wash spraying material, etc., **\$1.25 each.**

Parcel Post weight, 1 lb.



## AUTO SPRAY No. 5 WITH TANK



This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion. The Auto-Spray No. 5 excels all other pumps in durability and simplicity. Because

it is double acting it will do the same spraying that other pumps do, with half the labor. Parcel Post weight, 5 lbs. **Price, \$8.50.** We can furnish this pump without the Knapsack Tank. Parcel Post weight, 5 lbs. **Price, \$5.00.**

## AUTO SPRAY No. 25

### CONTINUOUS SPRAYER

Made in two sizes, one quart and one-half gallon capacity. Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the greenhouse, kitchen, garden, for rose bushes and in the poultry house. The one-half gallon size is ideal for the florist or for field work where there is not a great area to cover. Both sizes are identical in construction with the exception only of the size of the reservoir.

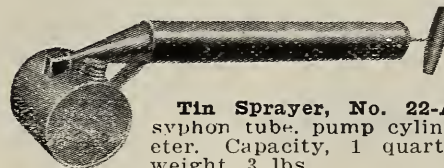
**Two Spray Caps**—One straight, the other at an angle for reaching under side of leaves. Will operate at any angle and will not tip over when filling.

**Screw Caps Reinforced**—With thumb levers—easy to turn.



<b>Auto-Spray, No. 25B</b>	One qt., galvanized tank.....	<b>\$1.25</b>
<b>Auto-Spray, No. 25C</b>	One qt., brass tank.....	<b>1.50</b>
<b>Auto-Spray, No. 25D</b>	½-gallon, galvanized tank.....	<b>1.50</b>
<b>Auto-Spray, No. 25E</b>	½-gallon, brass tank.....	<b>2.00</b>

(Parcel Post weight of all sizes, 3 lbs.)



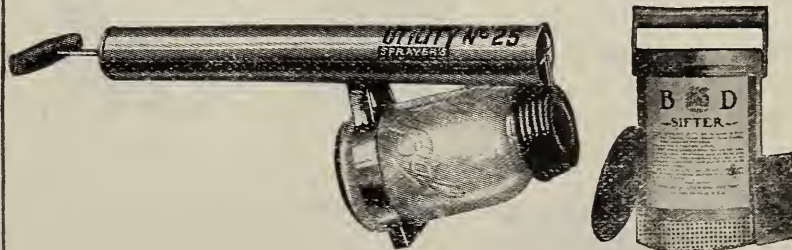
**Tin Sprayer, No. 22-A**—Heavy material, copper syphon tube, pump cylinder extra large, 2-in. diameter. Capacity, 1 quart. **Price, 50c.** Parcel Post weight, 3 lbs.

**Little Giant Sprayer**—Like above but has only 1-pint capacity. Parcel Post weight, 2 lbs. **Price, 40c.**

## MASON JAR SPRAYER and B. D. SIFTER

The best for gardening. Have 1-quart Mason Jar ready for anything you want to spray; no cleaning when changing from one insecticide to another. Well made and nicely finished.

Parcel Post weight, 4 lbs. **Price, \$1.00.**



**B. D. Sifter**—See illustration, also used for applying Bug Death and other powder insecticides. Parcel Post weight, 3 lbs. **Price, 75c.**

**Dickey Duster**—Made of tin; used for applying Bug Death and other powder insecticides. Parcel Post weight, 2 lbs.

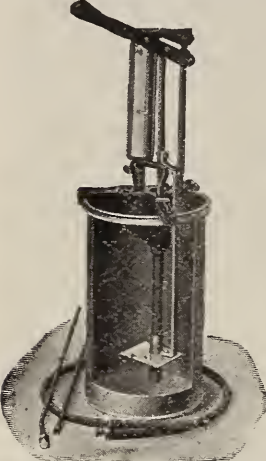
**Price, 45c.**



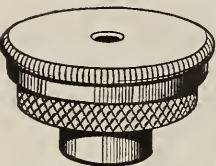


### THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; will give absolute satisfaction. Excellent for applying whitewash or cold water paint.



No. 1 Paragon Sprayer



1/2-inch clamps for same, 5c. each; 50c. dozen.  
1/2-inch Hose Couplings, 40c. pair.

**No. 1.**—Equipped with a 5-gal. reservoir, 10-ft. of hose and 2 extension pipes, 1 straight spray nozzle, 1 mist nozzle; like illustration. **Price, \$18.00.**

**No. 3.**—Equipped with a 12-gal. tank mounted on a truck, three 2 1/2-ft. extension pipes, 2 nozzles and 10 feet of hose. **\$25.00; without truck, \$22.00.**

**Extension Pipes, Nozzles, Etc.**—Can be used with most makes of pumps.

**Bamboo**, with brass tube, 12 ft. and stop cock, **\$4.80.**

**Bamboo**, with brass tube, 10 ft. and stop cock, **\$4.40.**

**Brass**, for Auto Sprays, 2 ft., 60c.

**Stop Cock**, for extension pipes, \$1.25.  
All 1/4-inch Thread.

**Spray Nozzles**—One-Point Vermorel—**\$1.00**, postpaid.

**Non-Clog Junior**, for small work, 80c.; **Non-Clog Automatic**, Brass, \$1.50. Either straight or 45° angle, postpaid. **Gifford Angle Nozzle**, \$2.25, postpaid.

**Bordeaux Nozzle**—Throws a fan-shape, mist-like spray. Solid Brass. **Price, 85c.**, postpaid.

**Spray Hose**, 1/2-inch, best made, all rubber, 18c. per foot.



**M-S. PERFECTION POWDER BLOWER**—Fine for all insecticide in powder form. Parcel Post weight, 3 lbs.

**Price, 90c.**

**M-S. LENNOX HANDY RUBBER BALL PLANT SPRAYER**—Easy to fill; perfect spray.

Parcel Post weight, 1 lb.

**Price, 50c.**

**Rubber Plant Sprinklers**—They can be used for sprinkling plants, cut flowers, etc., also for damping clothes and carpets, and for disinfecting purposes.

**No. 1**—8-oz. straight neck, \$1.25; **Fig. 2**, angle neck, \$1.25. Parcel Post weight, 1 lb.

**No. 2**—4-oz. straight neck, **Fig. 3**, \$1.00; angle neck, \$1.00. Parcel Post weight, 1 lb.

**Champion Powder Gun**—This machine will distribute dry insecticides, covering one or two rows at one time; will save its price in material used in one season.

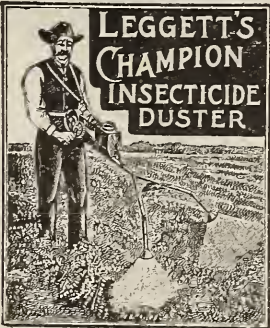


Fig. 2



Fig. 3

This machine keeps the poison at a safe distance from the operator.

Dust potato vines as fast as you walk, two rows at a time. Each machine is furnished with two tubes, five nozzles and strap. Anyone can use it. Weighs, cased for shipping, 17 pounds. **Price, \$15.00.**

**Little Giant Powder Duster**—This Duster is somewhat like the Champion Duster, except it is lighter and has a smaller capacity. It is nicely made and very strong. **Our Special Price, \$11.50.** Weight, 12 lbs.

**M-S. POWDER BELLOWS**—Strong and serviceable, for Paris Green and other preparations. Parcel Post weight, 3 lbs. **Price, \$1.50.**

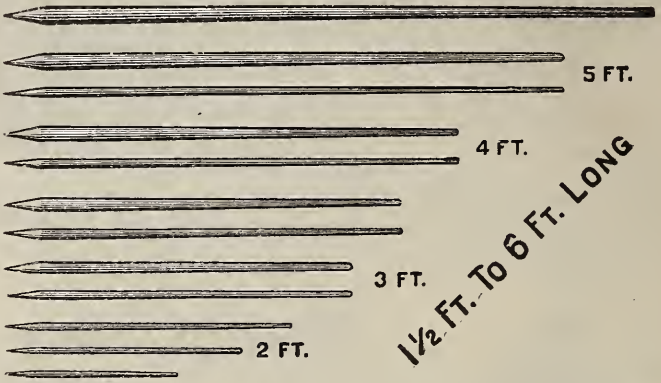
### PAINTED POT AND TREE LABELS.

	Parcel Post Wgt.	100	500	1000	P. P. W. per 1000
4 in.....	1/2 lb.	\$0.25	\$0.75	\$1.25	3 lbs.
5 in.....	1/2 lb.	.30	1.00	1.75	4 lbs.
6 in.....	3/4 lb.	.35	1.25	2.00	5 lbs.
12 in.....	3 lb.	1.00	Garden Label		
3 1/2 in., Copper Wired, 1/2 lb.	.35	1.25	2.00		4 lbs.

### BAMBOO PLANT STAKES.

	Dozen	100	1000
2 ft., painted green .....	\$0.20	\$0.90	\$7.50
3 ft., painted green .....	.25	1.25	11.50
4 ft., painted green .....	.30	1.75	14.00
5 ft., painted green .....	.35	2.00	15.00
6 ft., not painted .....	.30	1.50	12.00

### GREEN PAINTED PLANT STAKES.



**P. P. Wgt., Per Doz., 3 ft., 3 lb.; 4 ft., 5 lb., 5 ft., 7 lb.; 6 ft., 9 lb.**

3 ft., Heavy or Dahlia..Each	\$0.10	Per Doz. \$1.15	Per 100 \$8.60
4 ft., Heavy or Dahlia..Each	.15	Per Doz. 1.50	Per 100 11.40
5 ft., Heavy or Dahlia..Each	.18	Per Doz. 2.00	Per 100 14.60
6 ft., Heavy or Dahlia..Each	.25	Per Doz. 2.50	Per 100 17.90

### LIGHT PLANT STAKES.

Parcel Post Weight, Per Dozen, 1 1/2 ft., 1/2 lb.; 2 ft., 1/2 lb.; 2 1/2 ft., 1 lb.; 3 ft., 1 1/4 lb.

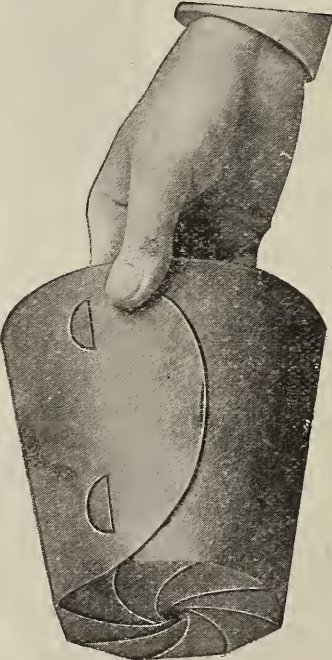
1 1/2 ft., Light.....Each	\$0.02	Per Doz. \$0.20	Per 100 \$1.50
2 ft., Light.....Each	.04	Per Doz. .40	Per 100 2.80
2 1/2 ft., Light.....Each	.06	Per Doz. .60	Per 100 4.10
3 ft., Light.....Each	.07	Per Doz. .75	Per 100 5.40

### HYACINTH STAKES

Used for staking Hyacinths, Tulips, etc. Dyed green.

	Parcel Post Weight.	Per 100	Price, Doz.	Price, 100
8 inch.....	2 lbs.		\$0.05	\$0.25
12 inch.....	2 lbs.		.05	.30
18 inch.....	2 lbs.		.08	.50

**Special Prices to Florists in 1,000 Lots.**



## NEPONSET WATERPROOF PAPER FLOWER POTS

Extensively used for shipping, starting seeds and seedlings in frames and hot-houses.

	Doz.	100	1000
2 1/4 in.....	\$0.10	\$0.45	\$3.25
3 in.....	.15	.65	5.75
3 1/2 in.....	.20	.85	7.75
4 in.....	.25	1.25	9.00
5 in.....	.30	1.75	15.00
6 in.....	.40	2.25	20.00

Parcel Post weight below.

	Parcel Post Wgt.,	Per 100	Per 1000
2 1/4 in.....	2 lbs.		13 lbs.
3 in.....	4 lbs.		20 lbs.
3 1/2 in.....	5 lbs.		25 lbs.

	Doz.	100	1000
4 in.....	1 lb.		5 lbs.
5 in.....	1 lb.		6 lbs.
6 in.....	1 lb.		10 lbs.



## INDURATED FIBRE WARE

A light, strong material, impervious to moisture, moulded into one piece, seamless and rust-proof. Finished in a rich mahogany color.

FIBRE-WARE  
ROLLING  
STAND

Fibre-ware rolling stands are mounted upon ball-bearing casters and furnish an easy and ready means of moving heavy plants in permanent or temporary locations. Sold complete with saucers.

Outside Diameter	Will take tub diameter at bottom	P. P. Weight	Price Each
12 inches.....	10 inches.....	2 lbs.	\$1.25
14 inches.....	12 inches.....	3 lbs.	1.75
16 inches.....	13 inches.....	4 lbs.	2.25
18 inches.....	15 inches.....	4 lbs.	2.50
20 inches.....	17 inches.....	8 lbs.	2.75
22 inches.....	20 inches.....	10 lbs.	3.25

## FIBRE FLOWER POT SAUCERS

Cleaner and More Durable Than Pottery.

	P. P. Weight, Each	Each	Dozen
5 inches.....	1/4 lb.	\$0.40	\$4.75
6 inches.....	1/4 lb.	.45	5.00
7 inches.....	1/2 lb.	.50	5.50
8 inches.....	1/2 lb.	.55	5.75
9 inches.....	3/4 lb.	.57	6.25
10 inches.....	3/4 lb.	.60	6.75
12 inches.....	1 1/4 lb.	.70	8.00
14 inches.....	1 1/2 lb.	.90	10.00
16 inches.....	2 lb.	1.75	18.00
18 inches.....	2 1/2 lb.	2.00	21.50
20 inches.....	4 lb.	2.75	30.00

## FLOWER POTS, STAKES, ETC.

## N. Y. STYLE CEDAR TUBS



New York Style

The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



Richmond Style

Size	Top Diameter Inches	Bottom Diameter Inches	Depth Finished Inches	Price Each	Weight Each Pounds
No. 1	12	9 3/4	10 3/8	\$2.50	9
No. 2	13	10 3/4	12 3/4	3.00	13
No. 3	14 1/2	12 7/16	14 3/4	3.90	15
No. 3 1/2	16 1/2	14 1/2	15 3/4	5.00	18
No. 4	19 7/16	17 1/4	16 5/8	5.75	21
No. 5	22 7/16	20 1/4	18 1/2	7.00	26

The Richmond style tree tubs are made of seasoned, selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earthen pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

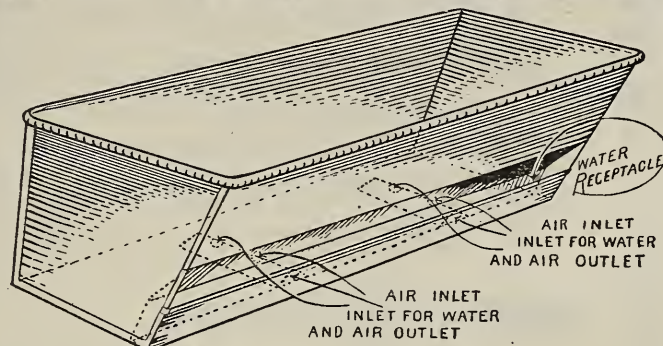
Size	Inside Top Diameter Inches	Inside Bottom Diameter Inches	Inside Depth Inches	Price Each	Weight Each Pounds
No. 5	10	7 1/2	9	\$1.00	3
No. 7	12	9	11	1.30	4 1/2
No. 9	14	11	13	1.90	7
No. 11	16	12 1/4	15	2.30	9

## M.-S. SUCCESS SELF-WATERING WINDOW BOXES

The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect. The Success Box is made with a water pocket on one side at the bottom. This pocket runs the full length of the box. Leading from it, into the box itself, are openings to convey the water to the soil. To prevent these openings from clogging up, a roof-shaped piece of metal extends from the pocket openings to the center of the box, at the bottom.

The pocket is simply filled with water and the soil takes it up. Or, water is poured in the usual way on the top of soil and the pocket takes care of the surplus. The water outlet also forms an air inlet, conveying the air to the center of the soil, where it distributes to every part.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of plant or disfiguring in any way.



The top edges have an attractive rolled finish. They are made in a number of lengths to suit different places and purposes, and may be equipped with brackets for securely fastening them to window sills or hanging below them, also to porch rails.

Inches	Width, Inches	Depth, Inches	Weight, Pounds	Each
24	8 1/2	6 1/4	6	\$1.50
30	8 1/2	6 1/4	7	1.75
36	8 1/2	6 1/4	8	2.50
40	8 1/2	6 1/4	9	3.00
12	12	8 1/4	5	2.00

## Brackets for Window Boxes

	Per Pair	Pounds
No. 1—For setting on sill.....	\$0.80	3
No. 2—For hanging under sill.....	1.00	3
No. 3—For the porch rail.....	.50	1

## SELF-WATERING PLANT TUB OR HANGING POT

This Galvanized Steel Plant Tub is specially adapted for ferns, palms, hydrangea or any large plant. Can be used indoors or outdoors; water can be freely used without danger of damaging floors or woodwork on which box is set. It gives proper drainage and free ventilation at bottom and plants will grow much better than in ordinary pot or tub.

Length, 12 inches; width, 12 inches; depth, 8 1/4 inches. Price, \$2.00 each. Weight, 5 lbs.

## EARTHENWARE FLOWER POTS

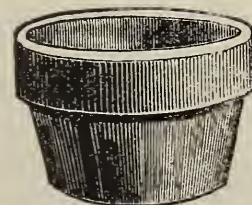
Sent by Express and Freight Only



	Each	Dozen
2 in.....	\$0.03	\$0.15
3 in.....	.04	.25
4 in.....	.05	.40
5 in.....	.06	.55
6 in.....	.10	1.00
7 in.....	.15	1.75
8 in.....	.22	2.50
9 in.....	.35	....
10 in.....	.45	....
12 in.....	.90	....
14 in.....	1.50	....
16 in.....	3.00	....

## Earthen Bulb Fans

	Each	Dozen
6 in.....	\$0.12	\$1.25
7 in.....	.15	1.65
8 in.....	.22	2.50
9 in.....	.35	3.50
10 in.....	.50	5.00



## EARTHENWARE SAUCERS.

	Each	Dozen		Each
4 in.....	\$0.03	\$0.30	9 in.....	\$0.12
5 in.....	.05	.50	10 in.....	.15
6 in.....	.06	.60	12 in.....	.25
7 in.....	.07	.75	14 in.....	.35
8 in.....	.08	.85	16 in.....	.75



## GARDEN TOOLS, SHOVELS, RAKES, ETC.

**KEEN-KUTTER**

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.

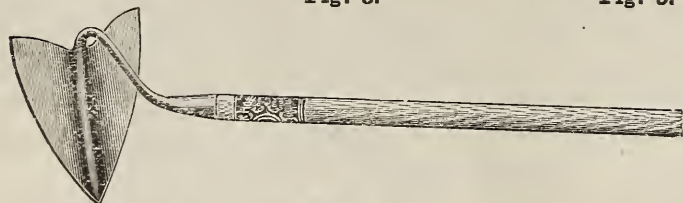


Fig. 5.



Fig. 6.



Fig. 7.

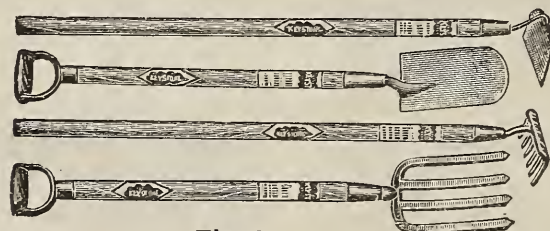


Fig. 8.



Fig. 9.

"Keen Kutter" Ladies' and Children's Garden Tool Set Fig. 8. Consisting of rake, shovel, hoe and spading fork. Made of first-class material. Not toys, but tools that will do and stand the work. Price, \$2.75. Single tools: Shovel, 90c.; Rake, 45c.; Hoe, 75c.; Spading Fork, \$1.00.

Excelsior Weeder—Five teeth. Fig. 15. Price, 15c. Weight, 1 lb.

"Keen Kutter" Garden Fork—Fig. 12. All steel, \$1.25; good steel fork, 40c. Weight of either, 2 lbs.



Fig. 10.



Fig. 11.

Magio "EZ" Weeder—Fig. 13. Light in weight, strong in construction; excellent tool; in great favor; best for the price. Three tine. Best quality, No. 8 1/2 steel wire. Nicely tinned. Length, 9-in.; weight, 4 1/2 oz. Black enameled handle, No. A. Price, 20c.; weight, 1 lb.; No. D, large size, 4-tinned with hoe or scraper on back. Price, 50c.; weight, 2 lbs.



Fig. 12.



Fig. 13.

Dibbles, or Planting Pegs—Bent wood handle. 50c. Weight, 1 lb. Fig. 17.

Oak Leaf Eureka Weeder—Fig. 16. Parcel Post weight, 2 lbs. Price, 40c.



Fig. 14.

Keen Kutter Dock Cutter and Weeder—Fig. 18. Price, \$1.00.

"Dandelion" Spuds—A practical weeder; long handle. Price, 25c.

Passtime Weeder—Price, 25c. Weight, 1 lb. Long handle.

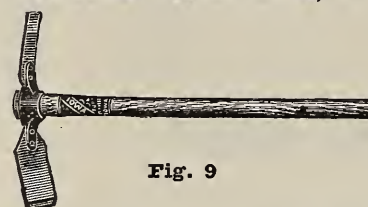


Fig. 15.

Warren Patent Hoe—Heart shaped. See illustration, Fig. 8. \$1.00 each.

Mattock Hoe—Fig. 9. 75c each.

Special Price to Florists and Gardeners.

"Keen Kutter" Rakes—Bow pattern. Fig. 6. 14-tooth, \$1.25. Regular 14-tooth, \$1.00.

"Queen" Lawn Rake—Fig. 7. 24 teeth, 75c. 44 teeth, \$1.00.

"Ole Olsen" Lawn Rake—All wood, 75c., 26 teeth, hickory wood.

Wood Leaf Rake—Reinforced with 3 heavy wire bows, has 24 teeth. Price, \$1.00.

Potato Hook, or 4-pronged Hoe—Price, \$1.25.

"Keen Kutter" Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11.

English Turf Edger—Price, \$1.25 without handle. Handle, 25c. extra.

"Keen Kutter" Bush Hook Fig. 12. Made of the best material. Price, \$2.25.

"Keen Kutter" Scythes—Fig. 10. 32 and 34 inches long. Price, \$2.00.

Weed Scythes—28 inches long. Price, \$2.25.

Snatches—Light and heavy. Price, \$2.00.

American Talacre Stones—25c. each.

Whetstones—Carborundum, 35c.



Fig. 16.

Keen Kutter Ax—Guaranteed article, \$2.50.

Hatchet—Beatty's Hatchets, Half Pattern and No. 2 Shingling, best quality. Each, \$1.50.

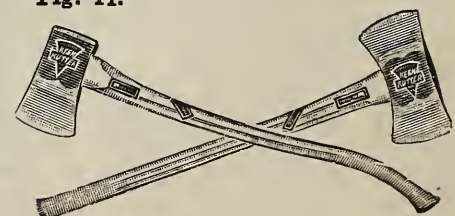


Fig. 17.

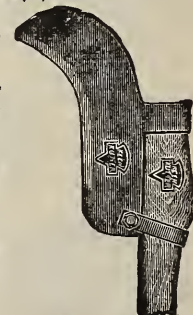


Fig. 18.





Fig. 19.



**Mehler's Edger**—Fig. 19. The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.25 each.

**Mehler Gardener**—An entirely distinct tool; avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used; just the thing for working among flower and vegetable plants.

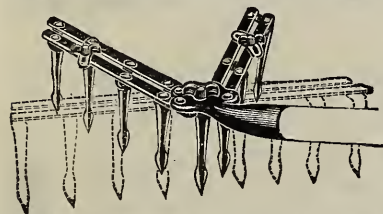
PRICE, \$1.25 each.

**Mehler Hoe**—Fig. 18. Combination hoe, cultivator and soil pulverizer combined. Just the thing for celery culture. Price, \$1.25.

## "PULL-EASY" HAND CULTIVATORS

Everyone who has worked in a garden will see at a glance the advantages of the "PULL-EASY" over any other kind of a garden tool. When the arms are spread out to full width of 18 inches the cultivator is like a rake.

For narrower rows the outer ends of the arms can be closed to any width down to 7 inches.



The shape of the teeth and the way in which they are attached to the steel side bars makes the cultivator entirely different from any ordinary rake because the teeth penetrate the ground, stir it up and pulverize it thoroughly without the operator being obliged to exert any downward pressure on the handle.

The width of the cultivator is adjusted by simply loosening the two wings nuts, moving the bars and tightening them again.

The middle tooth can be instantly removed permitting narrow rows of small plants to be cultivated two at a time.

"Pull-Easy"—Nine teeth. Regular size. \$1.50. Parcel Post weight, 4 lbs.

"Pull-Easy, Jr."—Four teeth. 4-ft. handle. 75c. Parcel Post weight, 2 lbs.

"Pull-Easy, Jr."—Four teeth. 10-ft. handle. 60c. Parcel Post weight, 2 lbs.

"Pull-Easy Rocker Hoe" can do the work of two or three persons relying only on old-fashioned hand implements. Parcel Post weight, 2 pounds. Price, \$1.00.

"Pull-Easy" Wheel Hoe Attachment.

There are millions of wheel cultivators—Planet, Jr., Iron Age, Standard, and many others in daily use during the gardening season. Each may be equipped with our Pull-Easy Adjustable Cultivator in an instant by attaching with the above attachment. Price, 25c. Parcel Post weight, 1 lb.

## NORCROSS CULTIVATORS AND WEEDERS

These are the most modern tools for garden and flowers. They are light and strong and cultivate closer to plants without injuring them than other kind of implement, leaving the soil level, loose and untrampled.

Cost but little more than the common hoe—accomplish much more and better work with less labor. They cultivate the soil.

The "Norcross" line is of the highest quality and finish throughout.

Three sizes and prices: 5-pronged, 4 ft. hdl. \$1.25 3-pronged, 4 ft. hdl. .75 "Midget" 9 in. hdl. .40 Weight, 3 lbs, 2 lbs, 12 oz.

Detachable Steel Prongs. Malleable Head. Extra High-Grade Handles.



Gentlemen: It gives me great pleasure to say I have been buying my garden Seeds and Plants from you for seven years, and I have yet to find any that has not given entire satisfaction. You may look for my spring order for garden Seeds in due time, and thanking you for your prompt and courteous attention to all orders. I am,

Yours truly,

ROBERT FORSYTHE, Glyndon, Md.

## THE NEW WEED KILLER "ERADO"

"Erado" does away with the old-fashioned, laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand. It is filled with a weed-killing solution, an amount of the solution is dropped on the root; then by turning the tool the top of the plant is cut off. It is a simple matter to refill.



Solution to be used.

For killing dandelions and most ordinary weeds, gasoline or salt solution can be used to advantage. One pound of salt should be used to one quart of water.

For killing pig-weed and quack-grass, use a solution of iron sulphate.

Try "Erado." It is guaranteed. If it is not entirely satisfactory, you can return this implement for the full purchase price, \$1.25. Parcel Post weight, 2 lbs.

**Cleveland Weed Puller**—Fig. 17. Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price, 85c. Weight, 4 lbs. Fig. 19.

"Keen Kutter" Trowel—Fig. 14. The best trowel made, \$1.25. Parcel Post weight, 2 lbs.



Fig. 14.

**All-Steel One-piece Trowels**—No. 212, 50c.; No. 211, 75c.; No. 215, riveted, Shank Price, 30c. Parcel Post weight, 2 lbs.

**Transplanting Trowel**, No. 217—6-in., 25c. Parcel Post weight, 1 lb.

## "TRO-WEED"

Fig. 19.

A BOON TO GARDENERS, FLORISTS, GREENHOUSEMEN. Combination Garden Tool—Trowel—Weeder—Transplanter. ADVANTAGES OVER ORDINARY TROWEL—WEEDER, Etc.



1st—The sharp point enters the soil with ease, picking out weeds without disturbing growing plants—in transplanting has no equal. 2nd—The saw tooth edge—decided aid in pulverizing the earth, loosening weed roots. 3rd—Does away with separate tools. 4th—Mechanical perfect in construction. The shape strengthens the solid steel blade, making it proof against rough usage. Also increases its holding capacity. 5th—Most important to consider—no higher in price than the ordinary all-steel trowel. Price, 60c. Parcel Postweight, 2 lbs.

## PRUNING SHEARS, SAWS, KNIVES, ETC.

**Rhodes Double-Cut Lopping Shears**—Fig. 1. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating lopping shears ever made or sold; 24-in. handle.

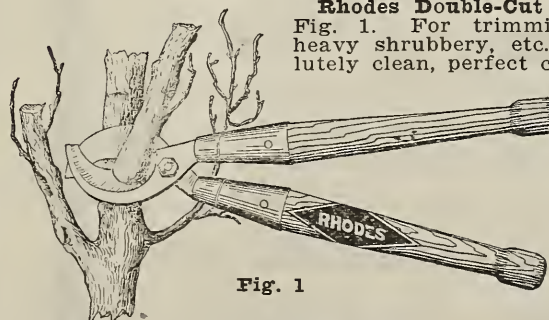


Fig. 1

Price, \$3.50. Parcel Post weight, 5 lbs.

Extra heavy; fine for dishorning cattle, 30-inch heavy handles. Parcel Post weight, 7 lbs. Price, \$5.00.

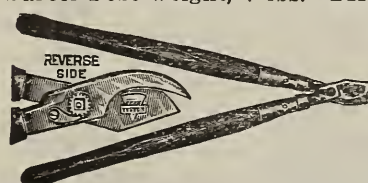


Fig. 2

"Keen Kutter" Pruning Shears—Fig. 2. Curved blade and hook. Forged from highest grade crucible steel; polished and tempered, ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; hardwood handles; natural finish; 20-in. handled, \$2.50; 24-in. handled, \$2.75.



**R-70**—Like illustration, has adjusting nut and regulating ratchet, steel blades of extra quality, tempered, Voente spring.

**Price, \$1.85.** Parcel Post weight, 2 lbs.



**Fig. 18**

**Hand Pruning Shears, R-65**—Fig. 2. 9-inch full polished pruner. **Price, \$1.60.**

**No. 50**—Fig. 3. A good pruner, 85c. **No. 14**—6-in. Ladies' pruner, full polished, **\$1.35.** Fig. 6. Parcel Post weight on hand pruners, 2 lbs.

**Solid Steel Hedge Shears**—Fig. 1.—12-in., **\$3.25**; 10-in., **\$2.25**; 9-in., **\$2.00**; 8-in., **\$1.75.** All equipped with notch; the notch is very useful in heavy trimming or lopping. Parcel Post weight on all hedge shears 3 lbs.

**Lawn Shears**—Two wheels, 9-in. blade, for cutting on narrow borders, under fences and shrubs. **Price, \$6.00.** Fig. 25.



**Figs. 1**



**2**



**3**



**4**



**5**

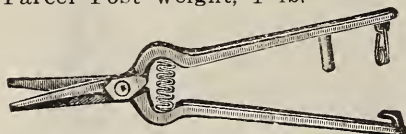


**6**

**Border Shears**—9-inch. **Price, \$5.00.**

**Ladies' Hedge Shears**—5½-inch cut. **Price, \$1.25.** Parcel Post weight, 2 lbs.

**Grape and Flower Shears**—Fig. 7. Very useful. **Price, 50c. each.** Parcel Post weight, 1 lb.



**Fig. 7**

**No. 3075**—Imported, very best forged steel, 5½-in. shears. **Price, \$1.50.**

**Mule Shears**—For trimming fetlocks. **Price, \$1.00.** Weight, 1 lb.

**Pruning Knives, No. 900**—Wood handle. **\$1.25,** postpaid.

**Budding Knives, No. 919**—Ivory handle. **\$1.75,** postpaid. **No. 2852½**—Bone Handle. **\$1.00,** postpaid.

**Pocket Knives, No. 2107**—Combined pruning and budding, horn handle, **\$1.25,** postpaid. **No. 40062**—Combined pruning and budding, bone handle. **\$1.50,** postpaid.

**Grass and Sheep Shears, No. 357**—Full polished; imported 6-in. shears. Weight, 1 lb.

**No. 355**—Imported 6-in. steel shears, full size.

**Price, \$1.25**

#### GRAFTING WAX.

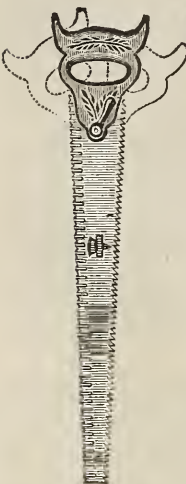
¼ lb., 15c.; ½ lb., 25c.; 1 lb., 40c.

**Long Handle Grass and Weed Sickle**—Fig. 20.

Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. The shank, made in two parts, of pressed steel forms the socket for handle, and the blade is riveted between these two parts, making a solid coupling which will not break or become loose. The handle is selected ash. A slight bend in the shank throws the handle, which is 3 ft. 8 in. long, up at an angle which enables the user to stand almost erect when at work. **Price, \$1.00.** Weight, 2 lbs.

#### PARCEL POST SHIPMENTS.

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post-office for proper amounts.



**Fig. 7**



**Fig. 8**

**Pruning Saws**—Made of the very best material, **\$1.25**; somewhat larger, stronger and coarser teeth and adjustable handle. **Fig. 8. \$1.50.** Weight, 2 lbs.

**Fig. 20**



**Fig. 24**

**Jointed Pole Tree Trimmer**—Fig. 24. 12 feet long can readily be transformed to 8-foot trimmer; made of the best material; very strong. **Price, \$4.00.** Parcel Post weight, 8 lbs.

#### "KEEN KUTTER" TREE PRUNER.

Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel drawn cutting blade 4¾ inches long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle; painted red with hardwood grip; clip that handle works in bolted to pole; length of lever handle 11 in.; 8 ft., **\$1.75**; 10 ft., **\$2.00**; 12 ft., **\$2.25.**



**Fig. 16**

**No. KKG. Keen Kutter Grass Hook**—Trowel Shank; Blades hammered from crucible steel bar. Tempered and polished ground and hones, sharpened ready for use; natural finish hardwood handle 6 in. long; 11 in. long from point to shank; blade 1½ in. wide; shank extends into handle 3¼ in. and is fastened with three steel rivets. **Price, 75c. each.** Parcel Post weight, 2 lbs.

**Fraser Riveted Back Grass Hook or Sickle**—This is the imported solid steel hook, which we have been unable to import for some time, but now have a full stock.

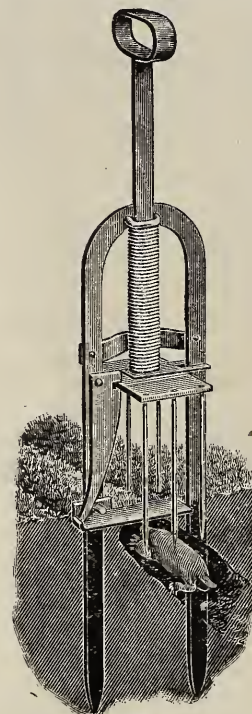
**Price, 75c. each.**

Parcel Post weight, 2 lbs.

**Asparagus Buncher**—The latest improved. **Price, \$3.00.** Weight, 4 lbs.

**Asparagus Knife**—Fig. 17. Which makes a fine weeder as well. **Price, 50c.** Weight, 1 lb.

**Wire Fruit Pickers**—To be adjusted to long pole. **Price, 50c. each.** Weight, 2 lbs.



**Fig. 21**



**Fig. 17**

#### RITTENHOUSE MOLE TRAP

**Fig. 21**

The simplest, safest and surest mole trap ever invented. Self-setting. No danger of its going off unless the trigger is touched. Made of all steel and tinned. The spears are spring steel, therefore, do not have to be as long as soft steel.

**Price, \$1.00.** Parcel Post weight, 3 lbs.

Gentlemen:

In justice to you I wish to state that I have used your vegetable, as well as flower seeds, for the last eight years and always found them reliable, true to description of name and color, and could depend in most all seasons on a good return for my investment made in such seeds. I heartily recommend them to any grower of vegetables or flowers,

I also admire the treatment received in my dealings with the above firm,

Truly yours,

E. A. WIDMAIER, Roland Park, Md.



## TWINES, BASKETS, BAGS, ETC.

**Jute Twine**—3-ply, 25c. ball. 50c. lb.

**Binder Twine**—Standard; ball, 5 lbs., \$1.50. Quantity price furnished on application.

**Fodder Twine, or Tarred Sisal**—Lb., 25c. Quantity prices furnished on application.

**Flow Lines**—Cotton, per pair, 75c.; Sisal, 40c. Weight, 2 lbs.

**Garden Line**—150 feet of good cotton line, 35c.

**Garden Reels**—Medium, \$1.00; large, \$1.25. Large, double reel, \$2.25.

**Picking Baskets**—½-bushel size, 40c. each.

**White Oak Baskets**—Side handled, 1 bushel, 90c.

**Splint or Chip Baskets**—With handle, ¼-bu. size, 15c.; ½-bu. size, 20c.

**Pea Bags**—Used by Anne Arundel farmers for bringing peas and beans to market. For quantities write for price.

**Strawberry Boxes**—1-qt. size, 10c. dozen; per 100, 75c. per 1000. Prices furnished on application.

**Asparagus Buncher**—See page 1.



Fig. 21

**Raffia**—Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price, lb., 35c.

**Trace Chains**—7 ft., straight link, hook or ring. Price, \$1.25. Special price in quantities.

**Cow Chains**—20 feet. Tying out, 75c. and \$1.00; stable ties, 50c.

**Back Bands**—Leather loop, 75c.; patent, \$1.00.

**Hot Bed Sash**—Made to hold either 24 or 28 8x10 panes. These sashes are grooved so that the panes slide in and butt one against the other. Price on application.



**Hotbed Glass**—Box of 90 panes, 8x10, \$5.50.

**Hotbed Mats**—Burlap covered, 40x76 size, covers one sash. 76x76, covers two. Price on application.

**Putty Bulbs**—For applying liquid putty. Fig. 22. Price, \$1.35. Parcel Post weight, 1 lb.



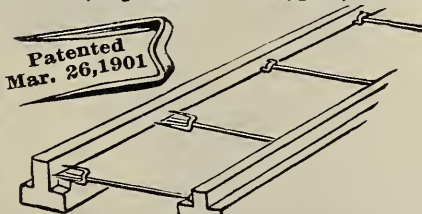
Fig. 22

**Twemlow's Old English Glazing**

**Putty**—Semi-liquid. For bedding-glass in sash and filling cracks or seams in roof joints or frames of hotbed or greenhouses. Gallon, \$3.25.

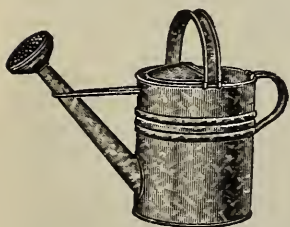
**Peerless Glazing Points**—The finest glazing points on the market. Per box of 1,000, 75c. Parcel Post weight, 1 lb. on both.

**"PEERLESS" GLAZING POINT.**  
(Improved Van Reyper.)



Patented  
Mar. 26, 1901

**A few of Its Good Points**  
—No raising up when driven. No rights. No lefts. No sliding. No trouble to apply. Cheap, indestructible. Once used, always used. Try them once.



**Plant Bed Cloth**—A cheap substitute for glass, and will keep out many degrees of frost; for poultry houses. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 30c.

**Watering Cans**—Made of heavy galvanized iron, removable rose. 4-qt., 85c.; 6-qt., \$1.00; 8-qt., \$1.25; 10-qt., \$1.40; 12-qt., \$1.50; 16-qt., \$2.00; 20-qt., \$3.25. Long Spout Watering Cans made to order.

## THERMOMETERS

Parcel Post Weight, 1 lb. on any of the four listed.

**Regular Thermometer**—Nicely finished. Price, \$1.00.

**Self-Regulating Hothouse Thermometer**—Best grade, \$6.00.

**Hotbed Thermometer**—Brass point. Fig. 8. Price, \$2.25.

**Hotbed Thermometer**—Iron frame and point. Price, \$2.25.

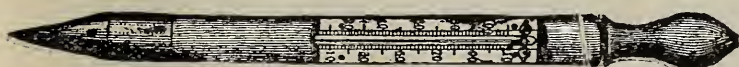


Fig. 8



## EVEN-SPREAD LAWN SPRINKLER

At last! The Sprinkler that every lawn owner has been looking for—the product of a famous inventor—a sensational success. Sprays the water over greater radius than any other; **throws an equal amount on each square foot** within the immense circle, **JUST LIKE RAIN**; elevates it only three to four feet above ground, preventing the wind blowing it to one side, and yet does not cut it into a fine mist to be lost in the air.

Attached to hose, its wonderful little spreader **spins like a top**, spreading the drops as evenly as a shower, causing all to stop, wonder and admire. Sturdily built, sound in principle, will last a life time. Is truly a little wonder. Customers delighted. Weight, 3 lbs. boxed. We cannot recommend too highly. **Price, Postpaid, \$2.50.**

**Ring Fountain Sprinkler**—All brass. Price, \$1.00. Parcel Post weight, 1 lb.

**"M.-S." LAWN SHOWER SPRINKLER**—A most complete lawn sprinkler, which will throw an even shower spray for a radius of 20 feet. Price, 40c. each. Parcel Post weight, 2 lbs.

**No. 955—Three-Arm Sprinkler**—Can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height, 1 foot. Nickel-plated and nicely finished. Price, \$2.25. Weight, 4 lbs.

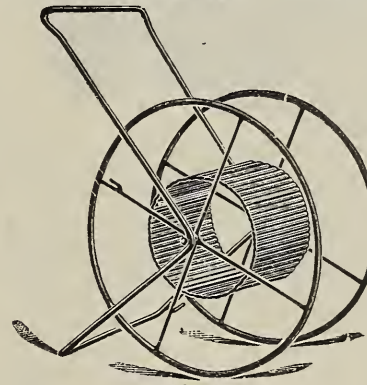


Fig. 5

## Rubber Hose, Reels, Menders, Etc.

**Hose Couplings**—Brass, regular size, 50c. per pair.

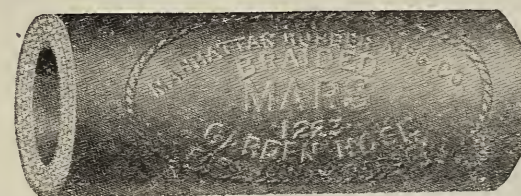
**Hose Washers**—Rubber, regular size, 10c. per dozen.

**Hose Bands**—For ¾ and ½-in. hose. 5c. each; 50c. doz.

**Hose Nozzles**—Combined solid stream and spray, 75c. each.

**Hose Reels**—Wood, \$1.75; Steel, \$3.25. Price on application. Fig. 5.

The hose we offer is the best. It is guaranteed not to break.



**Whipcord**—Continuous length braided ¾-in. hose. We can furnish any length of this hose desired up to 500-ft. lengths; better than any hose at 20c. per ft., including couplings, in 25-ft. lengths or over.

**Mars**—Continuous length braided ¾-in. hose. This hose can be furnished like the above at 20c. per foot. This hose is as good and better than the majority.

**Wixom Garden Hose**—5-ply, coupled in 50-ft. lengths. Price, \$7.50



**"Perfect Clinching" Hose Mender**—Slip in the hose and hammer down—that's all. It leaves the hose as smooth and strong and tight as a new hose. It does the work of the mender, tube and two clamps formerly used.

Price, 15c. each; 2 for 25c.; \$1.25 doz., postpaid.

## "UNION" BOOT PROTECTOR

Used in Excavating, trench and railroad work. Adds life to the Boot or Shoe. Used by shovelmen, prospectors, farmers, gardeners, etc. Excellent for painters in standing on ladders. Big relief to the instep.

Made of sherardized steel (rust-proof). Fitted with webbing strap.

Lightens the work and prevents sore feet.

Price, 75c. pair.

Parcel Post weight, 1 lb.





# WATER TRUCKS AND COMBINATIONS

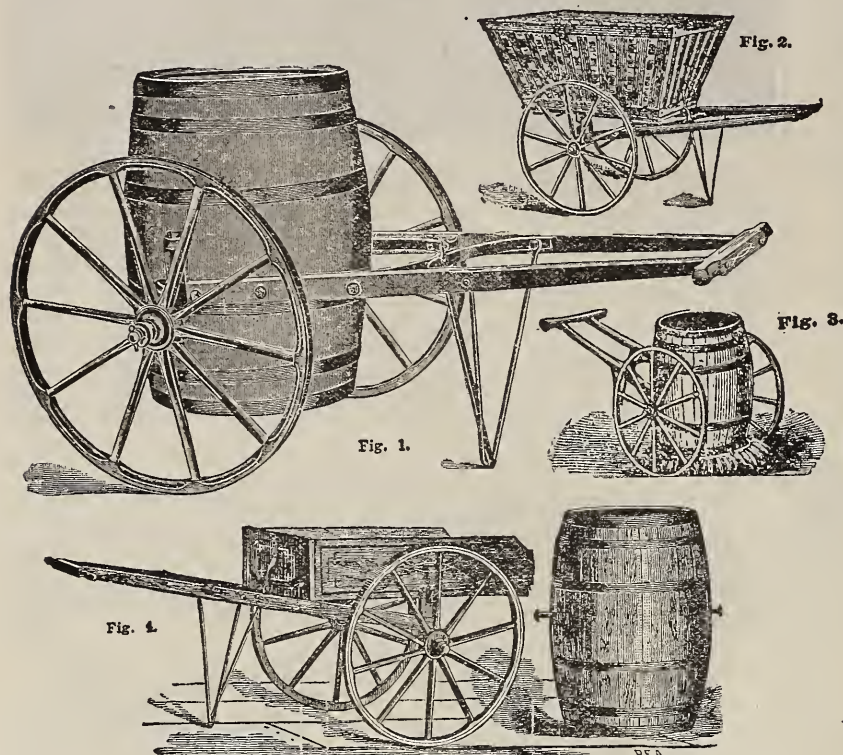


Fig. 1 represents our Barrel Cart, to which can be attached any of our Barrel Spray Pumps. This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

Fig. 2 shows Truck with Leaf Rack attachment.

Fig. 3 shows Truck and Barrel with Sprinkler attachment.

Fig. 4 shows Truck and Box, with Barrel detached.

Dimensions: Height of Wheels, 2 ft. 9 in.; distance between Trunnions, 2 ft. 2½ in.; width Tire, Steel, 1½ in., 2½ in.; Wood, 1½ in., 2½ in., 4 in.

Box inside Measure Width, 22½ in.; Length, 24 in.; Height, 8½ in. Box has tail door.

Water Truck, with regular 1½-in. Tire, either Steel or Wood Wheels.....\$11.00

For 2½-in. Tire add \$1.10 to regular 1½-in. Tire.  
For 3½-in. Tire add \$2.10 to regular 1½-in. Tire.

	Price
Water Truck and Barrel .....	\$17.75
Water Truck and Box .....	16.75
Water Truck, Barrel and Box.....	21.75
Sprinkling Attachment .....	5.00
Leaf Rack .....	8.50
Barrel .....	6.00
Box .....	4.00
Trunnions, per pair.....	1.00

**Baltimore Push Cart**—Similar to Fig. 4. For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. **Price, \$15.25.**

Prices Subject to Change Without Notice.

## GRAPE PROTECTING BAGS



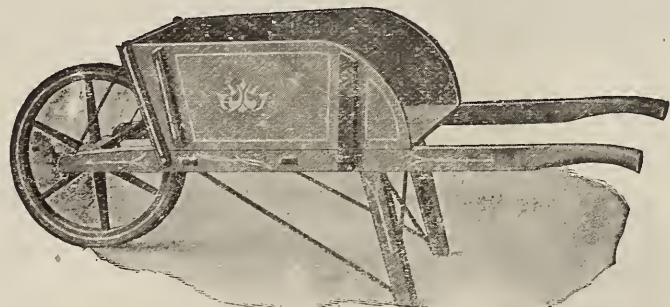
If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

	100	1000
2-lb. size.....	\$0.85	\$7.50
3-lb. size.....	.90	8.00
4-lb. size.....	1.00	8.50

Bag all grapes to keep them from insect stings.

Parcel Post weight on all three 2 lbs. per 100, 15 lbs. per 1,000.

## WHEELBARROWS



No. 3 Garden Wheelbarrow

No. 1 Farm Barrow—Still larger than No. 2. Price, \$7.75. Set up, \$8.00.

No. 4 Wheelbarrow—Boy size. Identical with No. 3, only much smaller; handy for small place. Price, \$4.25. Set up, \$4.50.

No. 3 Wheelbarrows, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½-in. wheel; 20 in. diameter; 6 spokes. Price, \$5.75. Set up, \$6.00.

No. 2 Garden and Farm Barrow—Little larger than No. 3. Price, \$6.25. Set up, \$6.50.

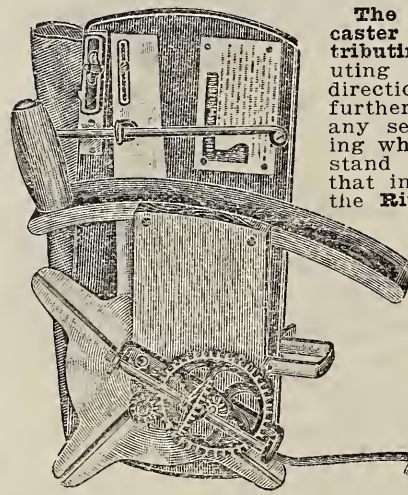
Gentlemen: We have been using your seeds and supplies for a number of years, and are pleased to be able to say that we have always found your goods, as well as your business methods, entirely satisfactory.

Very sincerely yours,

THE CHRISTIAN BROTHERS, Normal Institute, Ammendale, Md.

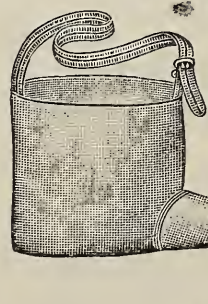
## GRASS AND CLOVER SEED SOWERS

### RITTENHOUSE DOUBLE FAN SEEDER No. 3



The most efficient hand broadcaster ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a lifetime. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. **Price, \$1.75.** Parcel Post weight 6 lbs.

### M.-S. TIN HORN SEEDER



Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand. Gives control over seed on a circle of 8 feet before it leaves the tube, and the wind has no chance to blow seed into bunches before it strikes the ground. Cheap, durable, weighs only 12 ounces. Simple; no repairs.

Will sow 60 acres per day of clover, timothy, millet, alfalfa, etc.

Parcel Post weight, 1 lb.

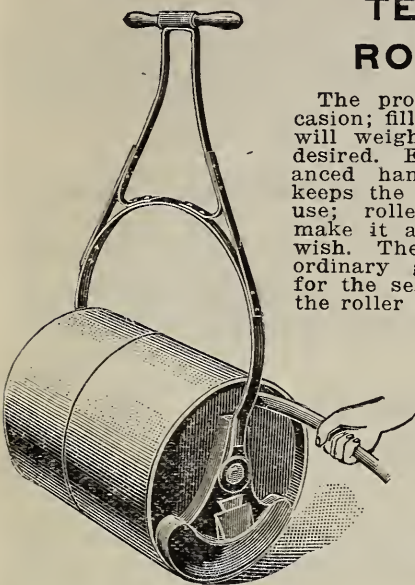
Price, 90c.



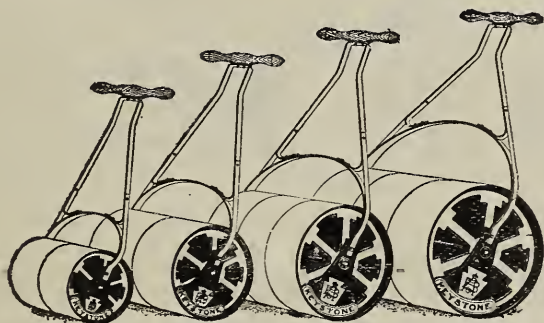
## M.-S. WATER BALLAST LAWN AND TENNIS COURT ROLLERS

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Equipped with counter-balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

For an even green Velvety Lawn, always sow M.-S. Roland Park Lawn Grass Seed and M.-S. Shady Nook Mixture. For particulars, price, etc., See Page 24.



No.	Diam. In.	Lgth. In.	Weight			Price
			Empty	Filled With Water	Filled With Sand	
602 B	18	24	155	410	555	\$14.00
603 B	24	24	180	525	710	18.00
604 B	24	32	200	665	935	20.00



**Keystone Roller Bearing Lawn-Rollers**—To raise a velvety, thick lawn and keep it so the lawn-roller is a great aid. In the Spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding, from the grass roots. If allowed to settle of its own accord the lawn is left rough and the grass liable to die off in high spots. If pressed back firmly and evenly with a lawn-roller the chances for a new, velvety lawn are more favorable.

No. 501—Diam. 15 in., 2 sec., weight 150 lbs., length 15 in., \$15.00  
 No. 504—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., 19.50  
 No. 507—Diam. 20 in., 2 sec., weight 300 lbs., length 24 in., 23.50  
 No. 509—Diam. 24 in., 2 sec., weight 400 lbs., length 20 in., 30.00

**Horse Lawn and Field Rollers and Other Size Hand Rollers**—Prices furnished upon application.

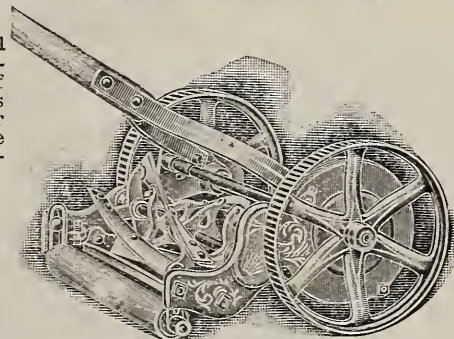
**Lawn Padders**—Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9 3/4 in. by 20 in., arranged each with a rope attached to the feet. Price, complete, \$1.00 per pair. Parcel Post weight, 8 lbs.

## M.-S. HAND LAWN MOWERS

**M.-S. Belvedere Ball Bearing Lawn-Mower**—This mower is made of the best material and is specially adapted for hard usage; it is the best train geared lawn-mower on the market.

### PRICES:

14-in.	\$14.00
16-in.	16.00
18-in.	18.00
20-in.	20.00



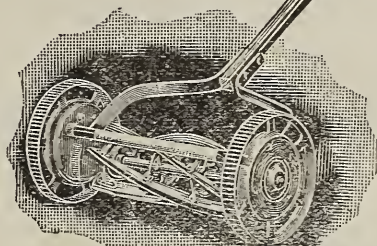
M.-S. Belvedere

**M.-S. "Interstate" Ball Bearing Lawn-Mower**—First class, high wheel, ball bearing lawn-mower at a popular price. The four revolving knives give a continuous cut. Made of best materials, easy running, and fully warranted.

### PRICES:

14-in. cut,	\$11.00;
16-in. cut,	\$12.00;
18-in. cut,	\$13.00;
20-in. cut,	\$14.00.

Send your Lawn-mowers in to be sharpened. We do this thoroughly and reasonably.

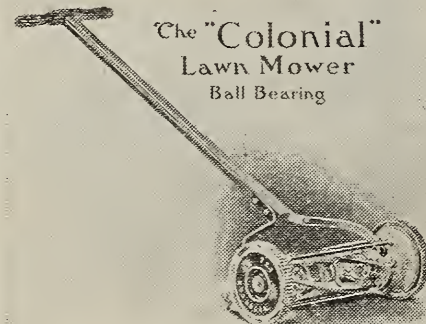


M.-S. Interstate

**M.-S. "Colonial" Ball Bearing Lawn-mower**—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

### PRICES:

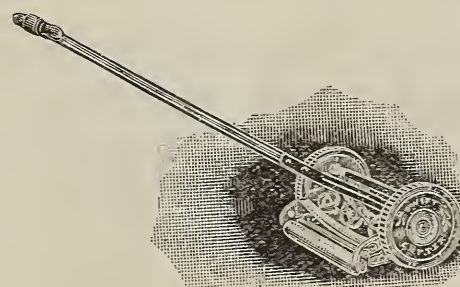
12-in. cut,	\$7.50;
14-in. cut,	\$8.00;
16-in. cut,	\$8.50.



The "Colonial" Lawn Mower  
Ball Bearing

**M.-S. "Swift Cutter" Lawn-Mower**—For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as "department store" prices, this mower will be found much better in quality of Knives and quality of work performed.

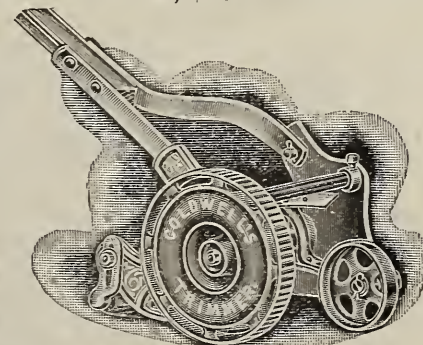
Prices: 10-in. cut, \$6.00; 12-in. cut, \$6.25; 14-in. cut, \$6.50; 16-in. cut, \$6.75.



M.-S. Swift Cutter

**Coldwell Trimmer Mower**—This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 inches wide, and cuts within 1/4 in. of side obstruction; it has only one drive wheel. Price, \$8.50.

**Lawn-Mower Sharpening**—This work is done for us by a competent mechanic, and we can insure entire satisfaction.



Gentlemen: It gives us pleasure to testify to the courtesy and prompt business methods of Meyer-Stisser Company, and to the quality of the seeds we have purchased from this firm. We recommend them to others who may be seeking a reliable house to deal with.

MARTIN F. SLOAN, Superintendent, Eudowood Sanatorium, Towson, Md.



## MOTOR AND HORSE LAWN MOWERS

This well-known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement. This same lever serves the purpose of raising the knives from the ground when driving over the gravel walks or roads. **Price, 30-inch cut (complete), with seat and shaft, \$100.00.**

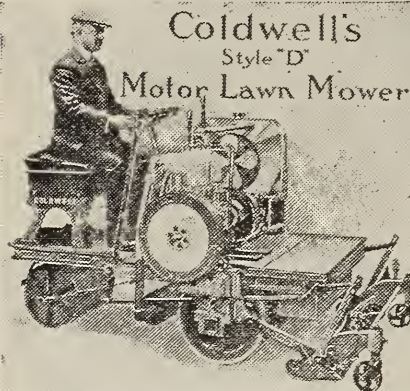
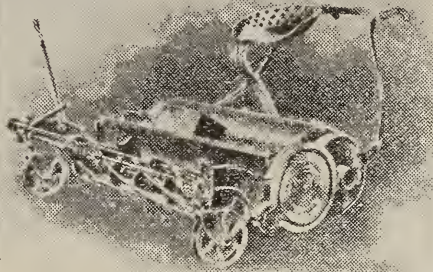
**25-inch cut Pony Machine, less shafts and seat, \$70.00.**

**Coldwell Demountable Cutter Unit Horse Lawn-mower**—Like the above, but has two revolving cutters, which can be replaced very quickly. **30-in. machine, \$165.00.**

**Horse Lawn Boots**—Price, per set of four, furnished on application; **No. 2, 5½ in. inside; No. 4, 6½ in. inside; No. 6, 7 in. inside, Prices furnished on application.**

**Style D & E**

### Coldwell's "Improved" Horse Lawn Mower

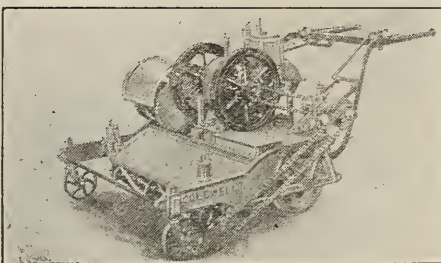


**Coldwell's Combination Roller and Motor Lawn-mowers, Style F and H, Walk Type**—Are designed for use on small estates, tennis grounds, etc., not sufficiently large to warrant the purchase or use of one of the larger and heavier machines.

**Style "D" and "E"**—These mowers are highly recommended and are used by leading country and golf clubs and in the city parks and cemeteries.

**Coldwell's Horse-drawn Threesome Lawn Mower.**—Cuts a swath of 7 feet 3 inches.

Send for illustrated and descriptive circular. Prices furnished on application.



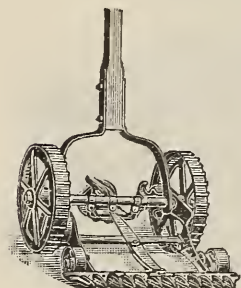
**Style F & H**

**Pennsylvania High Wheel Mower**—This high-grade mower is constructed for cutting ordinary grass, as well as grass from 6 in. to 10 in. high. Wheel, 10½ in.; cylinder, 6½ in. Four crucible steel knives. **Prices on 15-in., 17-in., 19-in. and 21-in. furnished on application.**

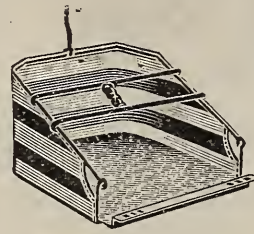
**The "Clipper" Mower**—There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. **No. 1, 12-in. cut, \$6.75; No. 2, 15-in. cut, \$7.50; No. 3, 18-in. cut, \$8.50; No. 4, 21-in. cut, \$9.50.**

**Pony Clipper Mower—24-in. cut, \$20.00.**

**Oil Cans**—Filled with oil. 15c. and 25c. each.



## M.-S. CANVAS GRASS CATCHER



There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The **M.-S.** designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvass and galvanized iron. Bottom made in two sizes to fit any size mower.

**No. 398** fits any mower from 12 to 16 inches wide. **Price, \$1.75.** Parcel Post weight, 4 lbs.

**No. 398½** fits any mower from 16 to 20 inches. **Price, \$2.00.** Parcel Post weight, 5 lbs.

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**

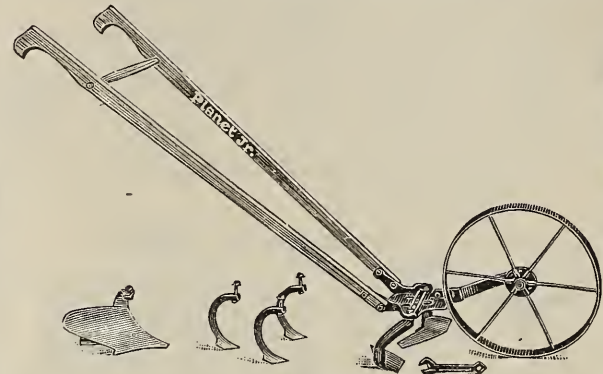


## PLANET JR. GARDEN TOOLS



**SPECIAL PLANET JR. GARDEN AND FIELD TOOL CATALOGUE FURNISHED ON APPLICATION.**

## PLANET JR. SINGLE WHEEL HOES



**No. 17**

**No. 17 Planet Jr. Single Wheel Hoe**—Price, \$8.75. Steel Frame and Wheel. The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

Indestructible steel frame and steel wheel, as illustrated.

**No. 16—"Planet Jr."**—Same as No. 17, but has also one five and one three-tooth rake and a leaf guard. **Price, \$10.50.**

**No. 17½—"Planet Jr."**—Same as No. 17, but has no plow, but in addition has a leaf lifter. **Price, \$7.60.**

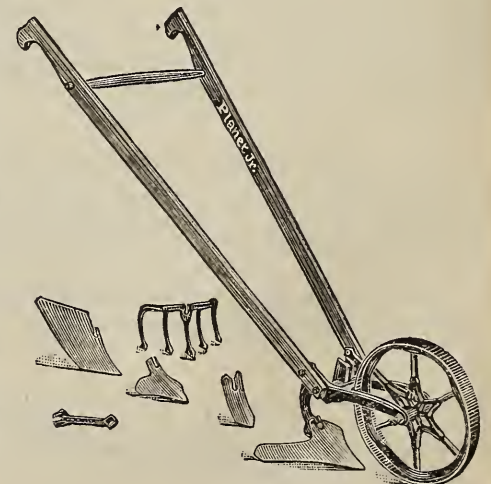
**No. 18—"Planet Jr."**—Only equipped with one pair 6-in. hoes. **Price, \$6.25.**

**No. 33—"Planet Jr." Single Wheel Hoe**—Just the thing for the family garden. Young or old will find in this tool a light-running wheel hoe that will save them hard work and help much to supply the table with fine vegetables. All complete like illustration.

**PRICE, \$6.50.**

**No. 39—"Planet Jr." Single Wheel Hoe, Cultivator and Plow** equipped with one pair six-inch peat land hoes, one large garden plow, one pair of three-pringed teeth, one leaf lifter, all complete.

**PRICE, \$10.50.**



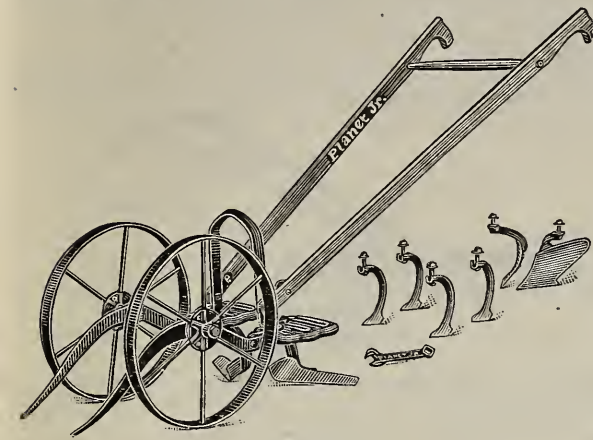
**No. 33**

Gentlemen: I wish to say to you that all seeds, bulbs and other goods purchased from you have been in every way satisfactory, being always of topnotch quality and low in price. I am,  
Yours very truly,

R. H. ARNING, 927 Coldspring Lane, Md.



## PLANET JR. DOUBLE WHEEL HOES



No. 12

**No. 12 Combined Double and Single Wheel Hoe—Price, \$12.50.** Steel Frames, 14-inch Steel Wheels.

Straddles crops till 20 inches high, then works between rows with one or two wheels. The plows open furrows and covers them. The cultivator teeth work deep or shallow. The hoes are wonderful weed-killers.

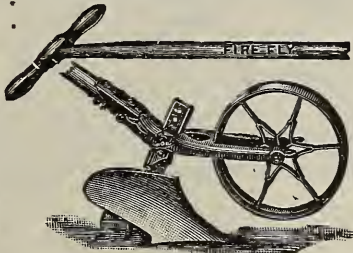
The greatest hand-cultivating tool in the world. Thousands of Planet Jr. hand-tools (seed drills and wheel-hoes) are used in kitchen gardens. 32 styles—various prices. You can't afford to work without a Planet Jr. Come in and let us prove it to you. No. 12, as illustrated. **Price, \$12.50.**

**No. 11—"Planet Jr."**—Like the above, but in addition has one pair 4½-inch hoes, two 3-tooth rakes and two 5-tooth rakes. **Price, \$16.00.**

**No. 13—"Planet Jr."**—Only equipped with one pair 6-inch hoes. **Price, \$9.00.** The No. 12 is the most popular tool.

**No. 14—"Planet Jr."**—Double and Single Wheel Disc Hoe, Cultivator and Plow. **Price, \$14.25.**

**"Planet Jr." "Firefly" Garden Plow**—Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards. **Price, \$4.00.**

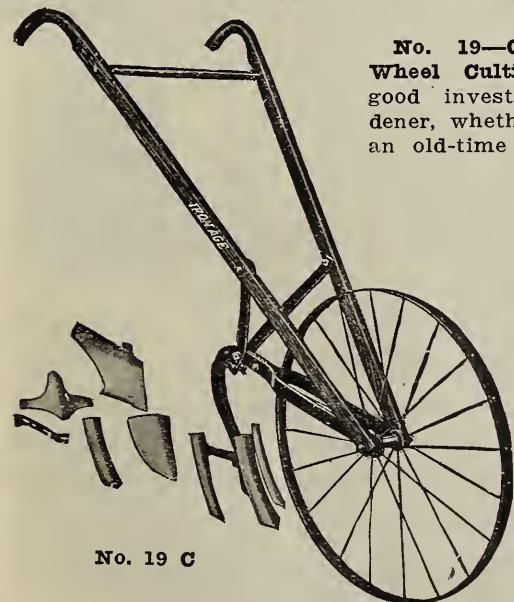


**No. 66—"Planet Jr." Slide Hoe—Price, \$4.00.** This light and strong tool is specially adapted to late cultivation when it is desired to work rapidly beneath fallen plant tops or where it is important that the tops of the plants are not buried. Straddles rows or works in between.

**No. 65—Slide Hoe—Price, \$3.00.**

**"Planet Jr." Star Pulverizer**—This new tool is especially adapted for preparing the seed bed and crust breaker. Send for "Planet Jr." Catalogue for illustration and explicit description. **Price, \$6.00.**

**"Planet Jr." Grass Edger—Price, \$9.00.** Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The "Planet Jr." Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly when ground is in order, as after rain.



No. 19 C

**No. 19—C. Iron Age Single Wheel Cultivator and Plow**—A good investment for any gardener, whether he is an amateur, an old-time home gardener or a market gardener; but is especially recommended to the man who has never tried any and wants a low-price tool to begin with. **Price, complete, \$6.50.**

We can furnish all kinds of Farm Tools, Mowers, Rakes, Harrows, Spreaders, Seed Drills, etc., also repairs for same. Catalogues and prices furnished on application.

## PLANET JR. SEEDERS AND WHEEL HOES



No. 31

**No. 31**—This drill will sow even a small packet of any garden seed any thickness desired with the greatest precision from ¼ to 2 inches deep in a narrow row. The index is most simple, easily set for every kind of seed. The flow of seed is stopped simply by raising the handles, and the tool may be thrown in or out of gear in a moment. The bottom of the hopper is open to full view. Seeds difficult to sow, like salsify, parsley, beets and lettuce, or radishes, beans, peas, turnips, cucumbers, carrots, pickles, spinach, celery, cantaloupes, etc., are handled perfectly. It holds one quart. **Price of No. 31—Seeder and Wheel Hoe, complete, \$13.00; No. 31D—Seeder only, \$10.50.**



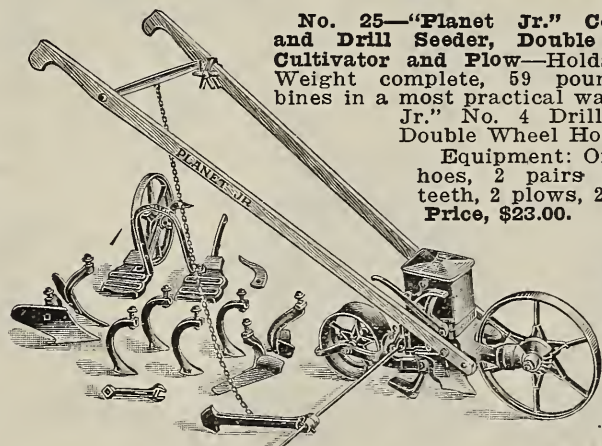
No. 4 "Planet Jr." Seeder Complete.

**No. 4—"Planet Jr." Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow—Price, Complete, \$19.50—As a seeder only (No. 4D), \$15.50.**

This tool soon pays for itself in the family garden as well as in larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

**No. 25—"Planet Jr." Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow—Holds 2½ quarts. Weight complete, 59 pounds. It combines in a most practical way the "Planet Jr." No. 4 Drill and No. 12 Double Wheel Hoe.**

Equipment: One pair of 6-in. hoes, 2 pairs of cultivator teeth, 2 plows, 2 leaf guards. **Price, \$23.00.**



No. 25 "Planet Jr." Seeder and Wheel Hoe Complete.

**No. 28 "Planet Jr." Seeder, \$20.00.**

**No. 119 "Planet Jr." Garden Plow and Cultivator**—This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24-inch wheel 1½-inch wide. The plow is very strong, the cultivator tooth is good and wide, the 3-pronged Cultivator is excellent for breaking of the soil, the centre tooth of same is removable, the scuffle hoe fine for weed-cutting and the handles very strong and adjustable to suit adult or child.



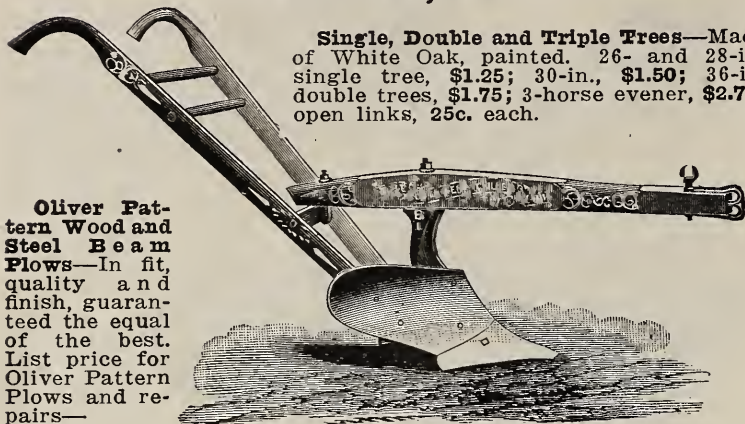
No. 119

**Price, complete, \$5.50.**

Weight,



## PLOWS, CULTIVATORS, REPAIRS, ETC.



**Single, Double and Triple Trees**—Made of White Oak, painted. 26- and 28-in. single tree, \$1.25; 30-in., \$1.50; 36-in. double trees, \$1.75; 3-horse evener, \$2.75; open links, 25c. each.

**Oliver Pattern Wood and Steel Beam Plows**—In fit, quality and finish, guaranteed the equal of the best. List price for Oliver Pattern Plows and repairs—

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards	Wood Beams
No. A	\$9.50	\$11.00	\$0.40	\$0.70	\$0.75	\$2.50	\$2.50
No. B	11.00	12.50	.50	.....	1.10	3.25	2.50
No. 10	14.50	16.00	.60	.80	1.10	3.75	2.50
No. 13	18.00	18.00	.70	.90	1.50	4.50	2.50
No. 19	19.00	19.00	.75	.95	1.50	4.75	2.75
No. 20	20.00	20.00	.80	1.00	1.50	5.25	2.75
No. E	22.00	.....	.90	1.10	1.50	5.75	2.75
No. 40	22.00	22.00	.90	1.10	1.50	5.75	2.75

In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, \$1.75; Jointer, complete, \$3.50.

Wood Beam, A to 13, \$2.50; 19 to 40, \$2.75.

Handles, complete, for Wood Beam, A to 10, \$1.65; 13, \$1.75; 19 to 40, 2.00.

Single Handles, 65c. Rounds, 15c.

Bolts for Mouldboard, Landside, Shares and Jointers, 6c. each.

We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished on application.

Single Shovel Plow, \$4.75. Double Shovel Plow, \$5.25. Triple Shovel Plow, \$6.50.

## CULTIVATOR TEETH AND REPAIRS

	Price		Price
Diamond Point, 1½ in....	\$0.13	Horse Hoe Steels, R. & L., each.....	\$0.40
Diamond Point, 2 in.....	.14	Turn Shovels, R. & L., each.....	.50
Diamond Point, 2½ in....	.15	Cultivator Clamps.....	.40
Diamond Point, 3 in.....	.16	Set Screw Cultivator Clamps.....	.40
Diamond Point, 4 in.....	.18	Cultivator Handles, Complete.....	1.40
Oval or Jersey.....	.15		
Frame and Teeth Bolts..	.05		

### "PLANET JR." CULTIVATOR TEETH

	Price		Price
1½ x 8-in. Steels.....	\$0.22	1¼ x 10-in. Steels.....	\$0.26
1¾ x 8-in. Steels.....	.25	1½ x 10-in. Steels.....	.28
2¼ x 8-in. Steels.....	.27	2½ x 10-in. Steels.....	.32
3 x 8-in. Steels.....	.31	3 x 10-in. Steels.....	.40
4 x 8-in. Steels.....	.36	4 x 10-in. Steels.....	.44

"Planet Jr." 7-inch Hind Shovel, 50c. "Planet Jr." 8-inch Hind Shovel, 55c.

## PLANET JR. ONE-HORSE CULTIVATORS AND HARROWS

### No. 100 PLANET JR. PLAIN CULTIVATOR

The lightest yet strongest known, and one of the best tools we have ever been able to offer. It is the result of long experience on the farm and of careful manufacture. It weighs but 42 lbs. It will stand almost all kinds of hardship and do beautiful work under adverse conditions. Equipment: Five 3x8-inch cultivator steels. Price less wheels, \$8.85. Fig. 1.

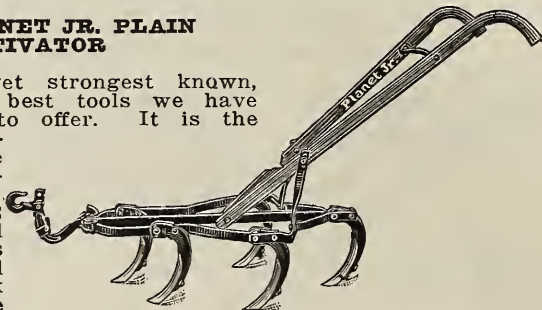


Fig. 1

**No. 101—"Planet Jr." Plain Cultivator (No Wheel)**—This is the same as the No. 100 Cultivator, but with a lever expander. The lever, instead of standing perpendicular, slants backward between the handles and prevents injury to crops under cultivation. It is simple, strong and easily handled, and has so few parts there is little danger of its ever getting out of order. Price, \$10.85.

**No. 4—"Planet Jr." Plain 5-tooth Cultivator**—This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with steel wheel, \$12.50; without wheel, \$10.25.

**No. 4—"Planet Jr." Horse Hoe and Cultivator (Fig. 2)**—This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. Price, with steel wheel, \$15.00; without wheel, \$12.75.

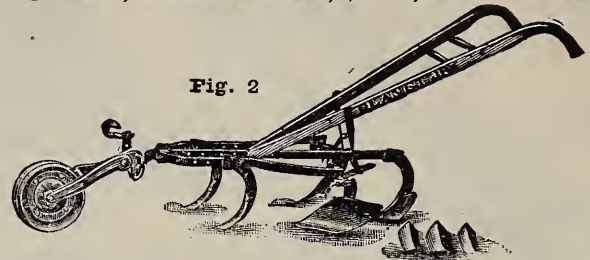


Fig. 2

**No. 9—"Planet Jr." Horse Hoe and Cultivator**—Identical with the above, but has lever expander. Price, with steel wheel, \$17.25; without wheel, \$15.00.

**No. 7—"Planet Jr." Horse Hoe and Cultivator**—Same tool as No. 4 and No. 9, but is also equipped with depth regulating lever wheel. Price, \$19.00.

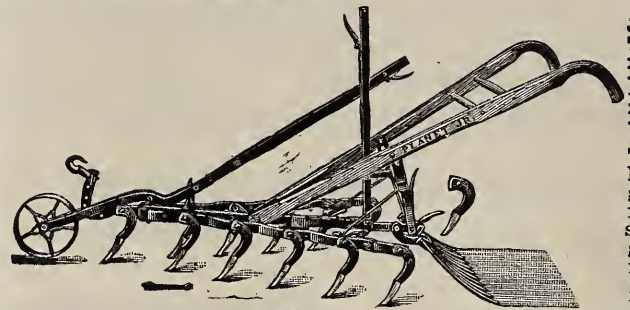


Fig. 11

twelve chisel-shaped teeth do such thorough work, and because the tool is so convenient, durable, strong and complete. This tool expands to 32 inches and contracts to 12 inches. Price, complete, as illustrated, \$20.00; less Pulverizer No. 90B, \$16.75; less Pulverizer and Wheel No. 90D, \$13.00. Plain without lever expander or wheel No. 92D, \$10.50.

PRICES SUBJECT TO CHANGE.

## REQUISITES FOR THE STABLE AND DAIRY



**Pratt's Animal Regulator** is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots, herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion. Pkg., 30c., 60c. and \$1.20; 12-lb. Pail, \$2.50; 25-lb. Pail, \$4.00; 100-lb. Bag, \$12.00.

**Pratt's Worm Powder**—For destroying worms in horses, cows, hogs and sheep. Box, 60c. Weight, 1 lb.

**Pratt's Liniment**—For man or beast. Bottle, 30c. and 60c. Liquid.

**Pratt's Healing Ointment**—For man or beast. Box, 30c. and 60c. Parcel Post weight, 1 lb. each.

**Pratt's Healing Powder**—For harness galls, 30c. Parcel Post weight, 1 lb.

**Pratt's Veterinary Colic Remedy**—Bottles, 75c. and \$1.25. Express only.

**Pratt's Distemper and Pinkeye Remedy**—Bottle, 60c. Express only.

**Pratt's Heave Cough and Cold Remedy**—Price, 60c. Parcel Post weight, one pound.

**Pratt's Cow Remedy**—Pkg., 60c. and \$1.20; 12-lb. Pail, \$2.75; 25-lb. Pail, \$5.00.

**Pratt's Bag Ointment**—35c. and 70c., postpaid.

**Pratt's Hog Tonic**—Pkg., \$1.20; also in 25, 50 and 100-lb. bags. Price, \$3.00, \$5.00 and \$10.00, respectfully.





## SAL-VET

**The Great Worm Destroyer—The Great Live Stock Conditioner**

SAL-VET is a medicated salt—a safe, simple, inexpensive remedy which gives stock the medicines they need along with the salt they crave. It requires no dosing, no drenching, no starving. It goes into the stomach and intestines and loosens the worms. It drives the robbers out—without bother or trouble to you. Your animals eat SAL-VET in place of common salt and thus doctor themselves.

15-lb. packages "Sal-Vet".....at \$1.50 each  
40-lb. packages "Sal-Vet".....at 3.00 each  
100-lb. kegs "Sal-Vet".....at 6.75 each  
200-lb. barrels "Sal-Vet".....at 12.00 each  
360-lb. barrels "Sal-Vet".....at 16.75 each

**Cal-Sino Restorative Powder for Horses**—Lessens and expels clogged catarrhal and stagnant waste matter. Price, 60c. Parcel Post weight, 2 lbs.

**Cal-Sino Aperient**—For dairy cows or cattle to be fattened—it cannot be excelled. Price, 60c. Parcel Post weight, 2 lbs.

**Cal-Sino Restorative for Hogs**—Disinfects the bowels, expels worms, regulates nutrition and thereby promotes health and flesh production. Pkg., 60c. Parcel Post weight, 2 lbs.

### "No Flies Here"

A liquid designed to protect cows, oxen, horses, mules and all live stock from flies and other insects, and to drive and keep them off.

1 gallon .....\$1.75  
½ gallon ..... 1.00  
1 quart ..... .60

**Bitter Lick**—For horses and cattle of all kinds. Price of brick, 35c.

**Holders for Bitter Lick Brick**—Made of iron and japanned black. Price, each, 30c.

## BITTER LICK MEDICATED Salt Brick



The Great  
Conditioner.  
Ionic. Digestor  
& Worm Destroyer

**Rice's Calf Weaner**—Fig. 6.

Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 50c.; by mail, 55c. No. 2, for heifers, 60c.; by mail, 65c. No. 3, for cows, 85c.; by mail, 90c.

**Bull Rings**—Copper, 50c. a piece. Different sizes. Postpaid.

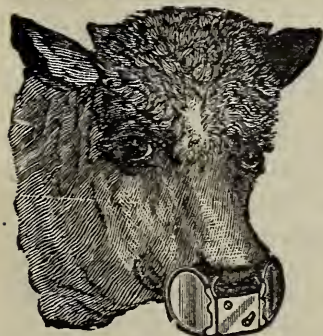
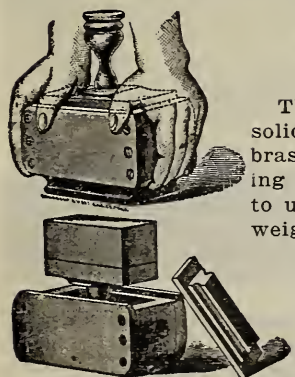


Fig. 6

## Balto. Pattern Hand Made Butter Print

This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. ½ lb. Special Print, carved with Initial, \$2.50; 1 lb. Special Print, carved with initial, \$3.00; up to five letters, over that every letter, 20c. extra.



### SEELEY PATTERN BUTTER PRINTER

Furnished with sheaf of wheat. Movable block. ½ lb., 75c. Weight, 1 lb. 1 lb., 90c. Weight, 2 lbs.

### LADLES AND SPADES

4x12 Butter Spade, 25c. No. 1 Butter Ladle, 25c.

**Lafayette Butter Printer and Table**—Either pound or half-pound size, with table, \$27.00; without table, \$15.00. Initial or monogram. Large letters, \$1.00 each; small letters, 50c. each.

**Parchment Butter Paper**—Cut for pound and half-pound prints. Price, 30c. lb. Special price on quantities.

**Wells, Richardson & Co.'s Butter Color**—The best butter color on the market. Small bottle colors, 500 lbs., 25c.; large bottles, 50c. and \$1.00.

**Floating Dairy Thermometer**—90c.; postpaid, \$1.00.

Prices Subject to Change Without Notice.

## BUTTER BOXES FOR PARCEL POST

This two-piece corrugated box is designed to hold 1, 2, 3, 5 pounds of butter when packed in Tuck End Cartons (which are included in the price) for shipment in Local Delivery and First Zone. The air cells in the corrugated board assist in preserving a uniform interior temperature, making possible the delivery of the butter in a cool, sweet and sanitary condition. Folds flat for shipment.

1 lb., shipping wt., 1 lb., 8c. each; \$0.80 doz.; shipping wt., 2 lbs  
2 lb., shipping wt., 1 lb., 9c. each; .85 doz.; shipping wt., 5 lbs  
3 lb., shipping wt., 1 lb., 10c. each; 1.00 doz.; shipping wt., 5 lbs  
5 lb., shipping wt., 1 lb., 12c. each; 1.15 doz.; shipping wt., 9 lbs

**"Star" Cooler Cream Separator**—Two cans, one inside of the other. The inner can is for milk and the outer can for water. Great labor saver. The outer cans are painted and decorated.

No.  
000, 14 qts., with strainer cover..\$6.00  
00, 20 qts., with strainer cover.. 6.75  
01, 25 qts., with strainer cover.. 7.25  
01½, 35 qts., with strainer cover.. 8.00  
02, 45 qts., with strainer cover.. 8.75  
03, 65 qts., with strainer cover..10.50

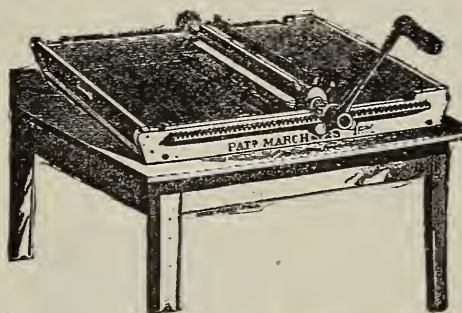
**"Star" Gravity Cream Separator**—Fig. 1. Like the above, but only one can. Made of the very best XXXX tin. The milk is mixed with equal quantity of water. Get cream in two or three hours. Not painted.

No.  
0, 24 qts., with strainer cover...\$4.00  
1, 48 qts., with strainer cover... 5.00  
2, 88 qts., with strainer cover... 6.75  
3, 118 qts., with strainer cover... 8.50

Price on Milk Cans, Pails and other Dairy Supplies on application.



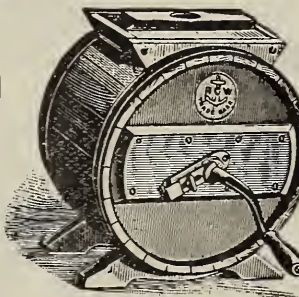
Fig. 1



**Reid's Butter Worker**—This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

No. 1—50 lbs.....\$18.75  
No. 2—30 lbs..... 15.00  
No. 3—20 lbs..... 13.00  
No. 4—10 lbs..... 11.25

## Improved Cedar Wood Cylinder Churn



No. 1—2½ gal.....\$3.75  
No. 2—4 gal..... 4.50  
No. 3—7 gal..... 5.25  
No. 4—10½ gal..... 6.00

## Dazey Glass Family Churn

Fig. 2. Easy running, easy to clean, produces the finest butter that can be made. No. 30G, churning 1½ qts., \$3.00; No. 40-G, 2½ qts., \$3.75. Add 25c. each size if to be sent by parcel post.

Glass Jar only, \$1.00. Postpaid, \$1.25.

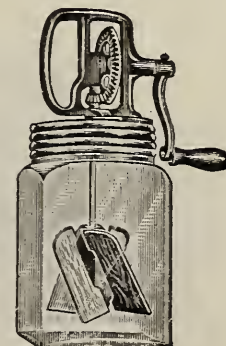
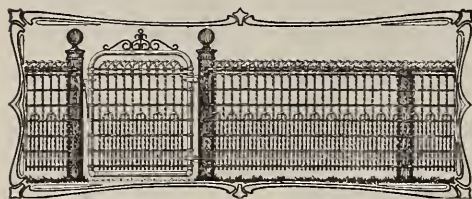


Fig. 2



# WAUKEGAN=CYCLONE SANITARY WIRE FENCING

Prices Subject to Change Without Notice



**Style F Cyclone Fence**  
to 72 inches furnished. Price on Application.

Price per lineal foot, Style "F," 36 in., 22c.; 42 in., 24c.; 48 in., 28c.; three-foot walk gates to match; three heights of fence, \$4.50 each.

## UNIVERSAL WALK GATE

Made of heavy high-carbon steel tubing, non-breakable frame with Style "F," chicken-tight fabric; hinges and latch to hang to wood posts.

Heights, 36 in., 42 in. and 48 in. Three-foot opening.

**PRICE, \$3.50. Either size.**

Single Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. **Price, \$13.50; either size.**

Double Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. **Price, \$15.00; either size.**

National Farm Gate, 12 ft., height 48 or 54 in. **Price, \$11.50; either size.**

## STYLE "L-EXTRA" WIRE FENCE

is exactly like Style "F" only the lower picket is not used. For this reason it is slightly cheaper in price and is specially recommended for division fences for front or back yards; 2½-inch mesh.

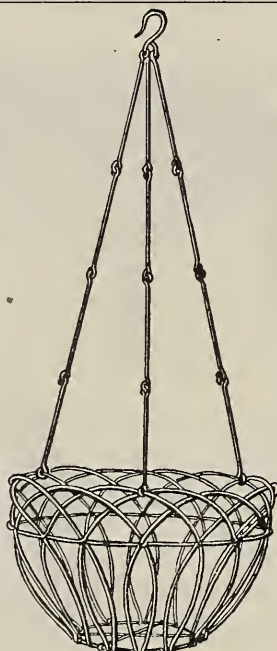
Regular heights are 36 in., 42 in. and 48 in. Other heights up to 96 inches furnished. **Price on Application.**

Price per lineal foot, Style "L-Extra," 36 in., 16c.; 42 in., 18c.; 48 in., 20c. Three-foot Universal Walk Gate to match, \$3.50.

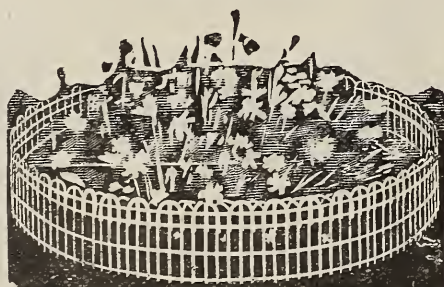
## WIRE HANGING BASKETS

Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire painted green and decorated in gold bronze. See illustration.

Baskets, 8-in., 45c.; 10-in., 60c.; 12-in., 75c. Parcel Post weight, 2 lbs. each.



## PERFECTION FLOWER-BED BORDER



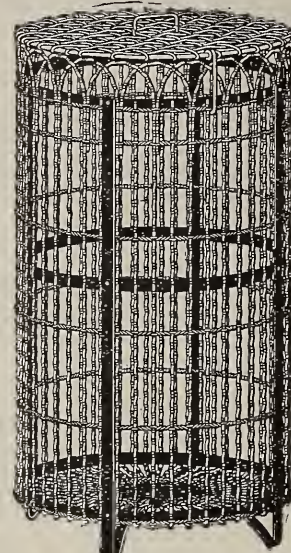
Fits any shape or size of flower-bed, no posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in three heights. Price, per lineal foot, 16 in., 11c.; 22 in., 13c.; 28 in., 15c.

Style "F" is our most popular sanitary wire fence. Pickets are all No. 9 heavily galvanized wire spaced 1½ in. apart at bottom, 2½ in. at top, making fence absolutely chicken tight.

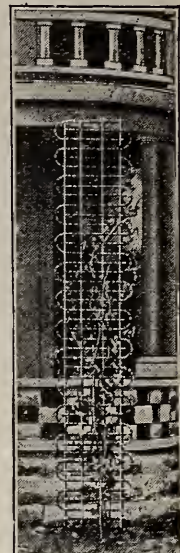
Regular heights are 36 in., 42 in., and 48 in. Other heights up



**Fig. 2**



**Fig. 1**



**Fig. 3**

## WIRE TRELLIS—Fig. 3

Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Style, single.

Price per lineal foot, 18 in., 8c.; 24 in., 10c.; 30 in., 12c.

## RUBBISH CONSUMERS—Fig. 1

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

Made of large heavily galvanized wire with reinforced bottoms and sides, and inside iron rings.

**See Price on Next Page.**

### STYLE A—Made in Four Sizes:

No. 1—Height, 40 in.; diameter, 24 in. **Price, \$5.50.**

No. 2—Height, 36 in.; diameter, 22 in. **Price, 4.50.**

No. 3—Height, 32 in.; diameter, 20 in. **Price, 4.00.**

No. 4—Height, 28 in.; diameter, 18 in. **Price, 3.00.**

**Wire Tree Guard—Fig. 2.** Carefully galvanized, thoroughly made, 8 inches diameter, \$1.50 each.

## "AMERICAN" STEEL FENCE POSTS



**"American Steel Posts for Poultry Yards"**—A 6-foot fence is high enough for the ordinary poultry fence. Putting the posts 2 feet in the ground, this is accomplished by using 8-foot posts. By the use of "American" Steel Posts about the poultry yard sanitary conditions are secured and the poultry is safe from the common pest breeder, the old wood post.

No. 16 Line Post, 6½ ft.

8-foot End Post.

No. 16 Line Post, 7 ft.

8-foot Corner Post.

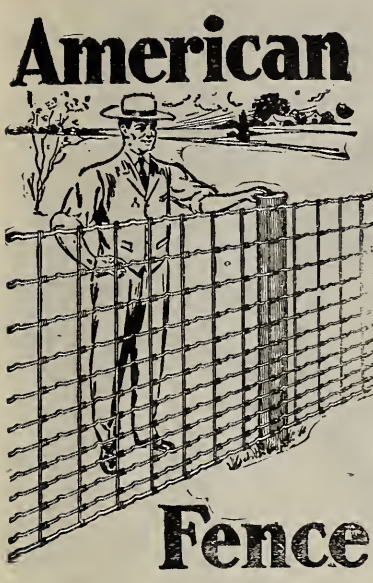
No. 16 Line Post, 8 ft.

Send for Special Catalog and Price.

**Barbed, Ribbon, Plain and other Wires, and Barbed Wire Staples—Prices on application.**

Owing to the unsettled condition in the wire market, we cannot fix prices at the present time, prices will be quoted on application.





**"AMERICAN"  
POULTRY AND  
STOCK FENCE**

**PRICES FURNISHED ON  
APPLICATION.**

"American" Poultry and Rabbit Fence—For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet, 48-in.; 53-in.; 58-in. Prices furnished on application. Not sold in less than roll lots.

Farm Gates and other sizes and styles of Stock Fence.

Send for Special Descriptive Catalogue and Prices.

**TWO-INCH DIAMOND MESH POULTRY  
NETTING**

Put up in rolls of 150 running feet. Galvanized after weaving. Either No. 20 or No. 19 wire. Height 1, 2, 3, 4, 5 and 6 foot. Prices furnished on application.

2½c. per square foot in less than roll lots.

**1-IN MESH NETTING**

Rolls, 150 running feet. Height 1, 2, 3, 4, 5 and 6 foot. Less than roll lots, 4c. foot.

Poultry Wire Staples, 15c. per lb.

Hardware Cloth—For lining corn cribs, poultry houses, etc., put up in rolls of 100 running feet. Rat and bird proof. 24-in., 30-in., 36-in., 48-in. Price furnished on application. Less than roll lots, 8c. per square foot.

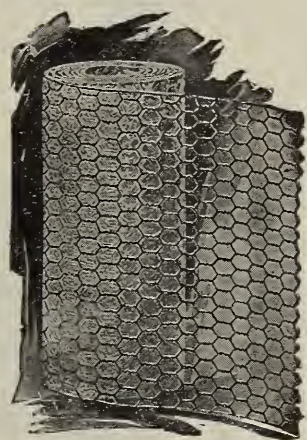


Illustration of two-inch Diamond Mesh Poultry Wire

**CIDER MILLS--WINE OR BERRY PRESSES**

**PRICES SUBJECT TO CHANGE**

Cider Mills—Made of best quality wood, carefully bolted and finished.

Single Cage Mill—Weight, 140 pounds. Similar to the wine and cider mill illustrated, only it is larger and will take larger apples, and, being a geared mill, will do much more rapid work. Price, \$15.00.

Junior—Capacity, 2 to 4 barrels per day, \$20.00.

Medium—Capacity, 6 to 8 barrels per day, \$22.50.

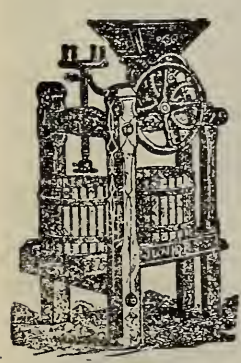
Senior—Capacity, 6 to 12 barrels per day, \$32.50.

Wine, or Berry Presses—Made of best quality wood, carefully bolted and finished.

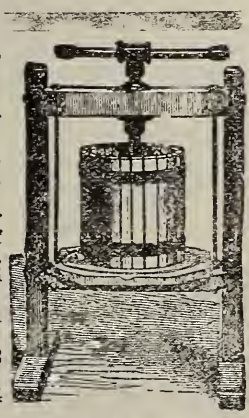
No. 1—Capacity, 1 peck, \$9.50.

No. 2—Capacity, 2 pecks, \$12.00.

No. 3—Capacity, 4 pecks, \$15.00.



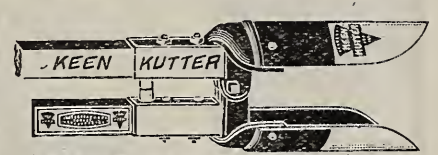
Cider Mill



Wine Press

**POSTHOLE DIGGER**

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter.



"Keen Kutter" Posthole Digger Price, \$2.50.

Park & Pollard's GO-TU-IT HOG RATION—A growing ration for pigs and fattening hogs. 6c. lb.; \$4.50 per 100 lbs.

**BLATCHFORD'S CALF MEAL**

Prices subject to change without notice.

The best milk substitute. Protein, 24 to 26%; fat, 5 to 6%; carbohydrates, 51 to 53%. Prices—Lb., 8c.; 25 lbs., \$1.85; 50 lbs., \$3.50; 100 lbs., \$6.00.

Rydes' Calf Meal—Same analysis as above. Lb., 8c.; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.75.

**OILS AND AXLE GREASE**

Harness Oil "Eureka"—Pt., 35c.

Cream Separator Oil—Qt., 50c.; 2 qts., 90c.; gal., \$1.50.

Harvesting Machine Oil—Gal., \$1.00.

Gasoline Engine Oil—Gal., \$1.25.

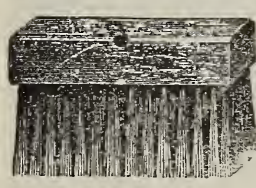
Household Lubricant Oil—In can with spout ready for use, 15c. and 25c. filled. Empty can like Fig. 4, fits field mowers—15c. each. Parcel Post weight, 1 lb.

Mica Axle Grease—Can, 25c., 50c. and \$1.25.



Fig. 4

**BROOMS AND BRUSHES**

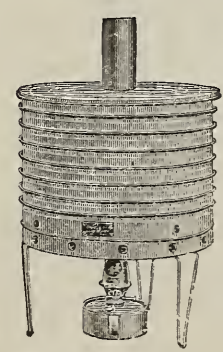


Plain Corn Brooms, extra quality..\$1.00

Bass Push Broom, 14 inches. (See cut)..... 1.25

Handles for Push Broom, 25c. each.

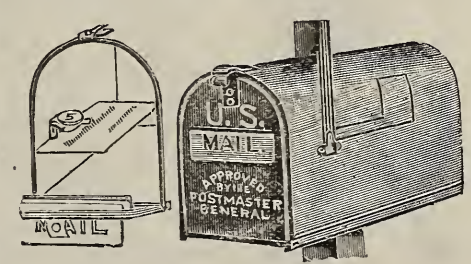
**SANITARY FRUIT AND VEGE-  
TABLE EVAPORATOR**



A practical machine for drying all kinds of vegetables and fruits for home use. A patriotic duty. The National Food Garden Commission says: "Drying vegetables and fruits for winter use is one of the vital national needs of wartime. As a national need it becomes a patriotic duty. As a patriotic duty it should be done in every family. Send in your order for one, and it will pay for itself this Fall. Price, complete with lamp, \$5.00. Shipping weight, 25 pounds.

**RURAL MAIL BOXES**

22. Gauge Galvanized Steel, without Inner Galvanized Box; Box has a Letter and Coin Holder for Mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the Box. Price, \$1.75. Parcel Post weight, 8 lbs.







## CERTAIN-TEED ROOFING

When you want a smooth surfaced Roofing for your House, Barn, Garage, Factory, Warehouse, Sky-scraper, Church, Apartment Building, or Farm Building, get

### CERTAIN-TEED

—guaranteed 5, 10, or 15 years for 1, 2, or 3-ply respectively—backed by the responsibility of the World's greatest and biggest Roofing and Building Paper Mills. The **Certain-teed** label on this Roofing stands for a definite guaranteed service—a protection for you. Why try to save a dollar or two by putting on a cheap Roof that is not guaranteed, when you can buy **Certain-teed** for just a little more money and get much longer service on your Roof. In the long run it's less expensive to buy **Certain-teed**.

1-ply, 108 square feet.....	\$2.50
2-ply, 108 square feet.....	3.00
3-ply, 108 square feet.....	3.50

## GUARD ROOFING

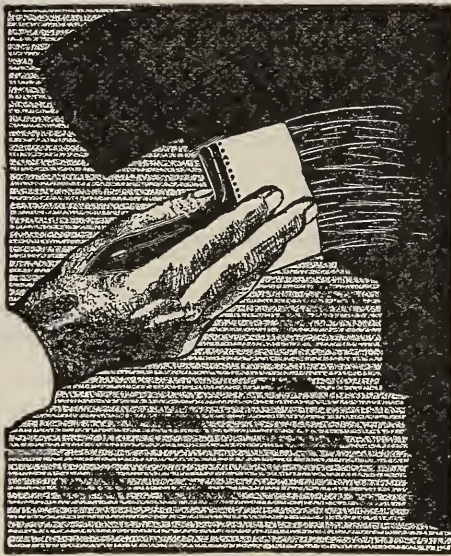
This roofing is offered as a good average quality product. It will give good service on the roof. Where the highest quality roofing is not necessary this product is recommended.

2-ply, 108 square feet.....	\$2.25
3-ply, 108 square feet.....	2.50

Prices on Roofing Subject to Change Without Notice.

## LIQUID CEMENT

Seal proof liquid fibre cement. A protective coating for roofs and metal sidings. **Absolutely** water-proof, sun-proof, weather-proof. This preparation is a heavy rubberlike compound especially adapted for the coating of paper, composition, or metal roofs. It is a combination of tough, durable, water-proof oils reinforced with asbestos fibre, for large surfaces apply with Scraper, for metal sidings apply with a brush. It will not run sag or blister. **Price, \$1.50 per gal. 5-gals., \$6.00. Bbl. lots @ \$1.00**



### BARN PAINT—

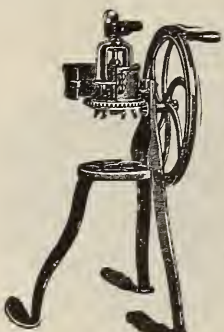
Prepared for work where an excellent paint is desired at a moderate cost. It is adapted for rough or smooth surfaces on wood or metal, prevents rust or decay. Its special use is for painting houses, barns, fences, shingle and metal roofs. **Price of Red, \$2.25 per gal.; 5 gals., \$10.00; bbl. lots @ \$1.75 per gallon.**

**Price of Maroon, \$2.00 per gal.; 5 gals., \$9.00; bbl. lots @ \$1.50 per gallon.**

**FIRST QUALITY OUTSIDE WHITE PAINT—**Strictly lead, zinc, silica and pure linseed oil paint of highest quality—equal of any paint made. Covers 300 sq. ft., 2 coats, per gallon, \$4.50; 5 gals., \$20.00; bbl. lots, \$3.75 per gallon.

**INSIDE WHITE PAINT—**For interior use; lithophone base, non-poisonous; can wash with soap and water; Alkali proof and stays white. Covers 250 sq. ft., 2 coats, per gallon, **price, \$3.00; 5 gals., \$13.50; bbl. lots @ \$1.80 per gal.; bbl. lots, \$2.52.**

## GREEN BONE CUTTERS AND FEED GRINDERS



No. 7

**No. 5BM—**Intended for flocks of 15 to 25 hens. Mounted on iron stand. Cylinder 6 in. in diameter; 4 in. deep. Cutter plate has 4 knives instead of 3. **Price, \$16.00.**

The feed is both automatic and self-governing. Cuts all gristle and meat. Nothing escapes uncut.

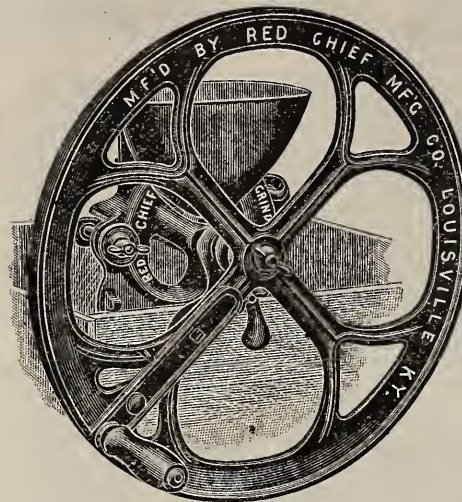
**No. 5C—**This machine is exactly the same as the No. 5B, with a crank handle instead of a balance wheel. Capacity not quite equal to 5-B. **Weight, 35 lbs. Price, \$9.50.**

**No. 5B—**This machine is exactly the same as No. 5BM, except that it has not the iron stand. **Weight, 60 lbs. Price, \$12.50.**

**No. 7—**Intended for flocks of 40 to 100 hens. Mounted on strong iron stand with large fly-wheel. **Weight, 107 lbs. Cylinder, 7 1/4 in. in diameter; 5 1/4 in. deep. Price, \$18.50.**

### BONE CUTTERS—Continued

**No. 7 1/2—**Semi-power Machine, \$25.00. **No. 11—**Comb. Power Cutter, \$40.00. **No. 12—**Small Power Cutter, \$50.00. **No. 15—**Large Power Cutter, \$100.00. Send for Special Catalogue.



No. 5 Red Chief Mill

**"Red Chief" Grinding Mill—No. 1.** For cracking corn, wheat and other grains. **Price, \$4.25.** Parcel Post weight, 10 lbs.

**"Red Chief"—No. 5.** Like above but has fly wheel and larger capacity. **Price, \$7.75.** Weight, 20 lbs.

**"Red Chief" Grinding Mill—No. 10.** This mill has greater capacity than the No. 1 Mill, and makes an excellent coffee and spice mill for grocers' or family use, as well as being a very rapid grinder of chicken feed or meal. **Weight, 35 lbs.; capacity, 2 to 4 bus. per hour. Price, \$9.50, with stand.**

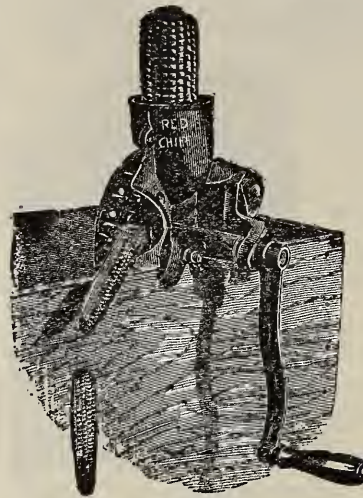


Fig. 6

### "Red Chief" Corn Sheller—

Fig. 6. This sheller is guaranteed to do good work. It is heavy in construction, with patent oval-shaped teeth, which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. **Price, each, \$2.75.** Weight, 12 lbs.

## FEED CUTTERS, CORN SHELLERS, ETC.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE ON ALL MILLS AND CUTTERS

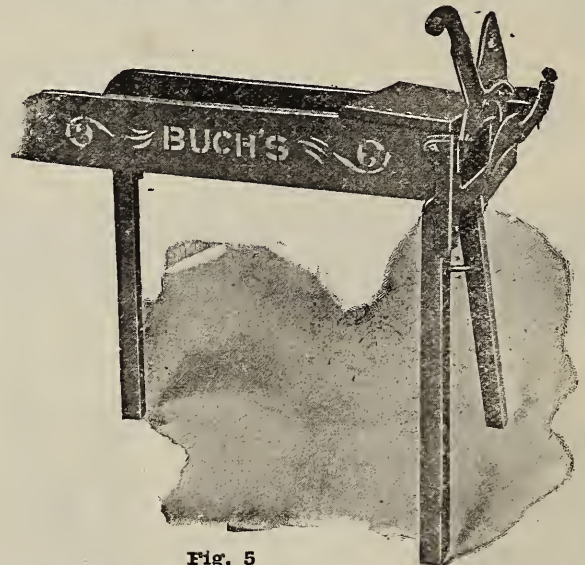


Fig. 5

**Buch's Hand Lever Feed Cutter—Fig. 5.** This cutter is simple, durable and low priced. It has a 11-in. tempered curved knife which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. **Price, \$5.50.**

**Clover Cutter—**Price with the balance wheel, \$12.50; with the balance wheel and iron stand, \$15.50.

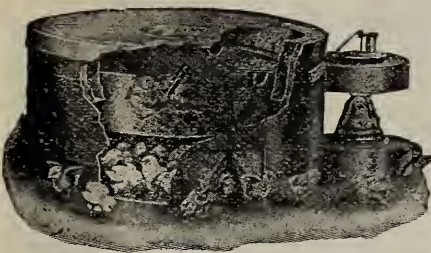
**BANNER ROOT CUTTER No. 7—**A Practical Machine for Cutting and Preparing Roots, Vegetables for Feeding Poultry.

**PRICE, \$6.00.**



# Simplicity Incubators

"HAVE NO COLD CORNERS"



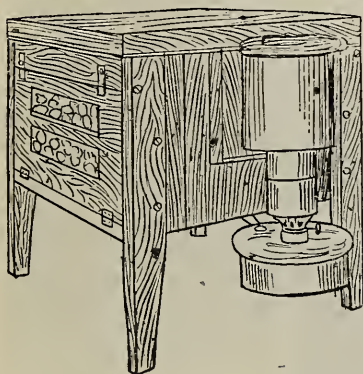
Yes, sir! Cold corners and cold side walls in old style incubators don't give your eggs a fair chance! If five eggs out of every hundred don't get proper heat it means an appalling loss to poultry raisers each year! A loss of time—valuable hatching eggs—high-priced oil—and of poultry that is needed so badly for food!

This loss is entirely unnecessary! **Simplicity Incubators** have no cold corners or cold side walls! Side walls are actually heated! The big, circular hot-water radiator entirely surrounds egg chamber! Heats from side walls to center! That's why EVERY EGG has a chance! That's why it is both the

## CHEAPEST AND BEST INCUBATOR

you can buy! Order direct from this advertisement—or if you prefer, ask for the FREE Simplicity book!

- 50-Egg Simplicity Incubator, copper tank.....\$17.50
- 100-Egg Simplicity Incubator, copper tank..... 23.00
- 150-Egg Simplicity Incubator, copper tank..... 26.00



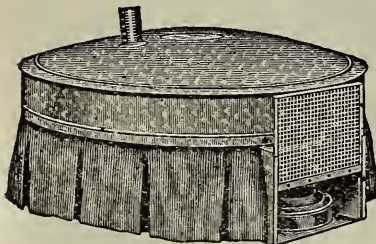
## THE PEEPY GEM INCUBATOR

This is a low-price machine which has met with success by thousands of operators. Double walled, cypress wood, double glass door, removable nursery. Heated by patented hot-water system. Complete with lamp, thermometer, egg tester, egg tray and full directions.

Capacity, 50 eggs.

PRICE, \$9.00.

## THE SIMPLICITY "COZY" HOVER



If you hatch chicks—either the Mother Hen Way—or the Incubator Way—I want you to read about this indoor hover! It's really got mother hen herself outclassed! No trampled—no lost—no crowded out chicks!

Our special new folder-catalog of hovers and brooders tells all about it. Cares for fifty to seventy-five chicks without crowding.

See this hover in our window with chicks. Write to-day for new folder-catalog describing it in detail! The price of the "Cozy" Hover is \$10.00.

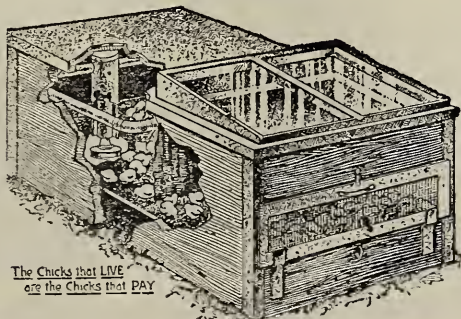
## SIMPLICITY NONE-SUCH BROODER

This is an outdoor brooder that you know you can depend on! It has been tried and tested for years! We claim it to be as far ahead of ordinary brooders as the Simplicity Incubator is ahead of ordinary incubators!

Capacity, 100 small chicks.

Write for folder-catalog to-day, which describes it in detail.

The price of the None-Such is \$24.00.



The Chicks that LIVE are the Chicks that PAY

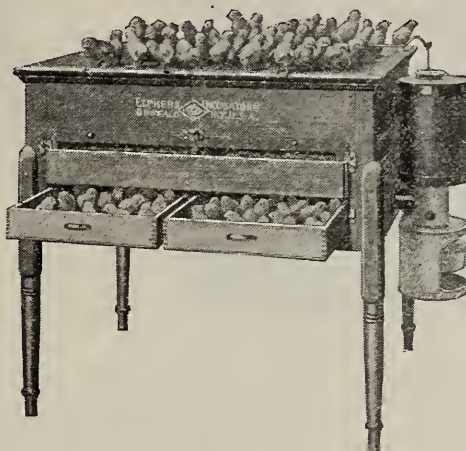
**SIMPLICITY COAL BURNING STEEL AND IRON BROODER STOVE**—Send for special circular. Capacity, 500. Price, \$20.00.

## INTERNATIONAL SANITARY HOVER

This is a Centre Lamp Hover. Built of galvanized iron and canvas curtains; the well-known Hover, which has been on the market for years. Capacity, 100 chicks. Price, \$12.00.

## STANDARD CYPHERS INCUBATORS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



**CYPHERS INCUBATORS** are built to hatch and to last. With proper care—the same care you would give a valuable piece of household furniture—a **Standard Cyphers** will last an ordinary lifetime. They are guaranteed by us to last ten years without repairs. We make this guarantee because they have lasted much longer than this—and are still doing first-class work.

### Prices:

- No. 0—70 Eggs, \$25.00
- No. 1—144 Eggs, 38.00
- No. 2—244 Eggs, 54.00
- No. 3—390 Eggs, 61.00

Prices subject to change.

## CYPHERS ELECTROBATOR

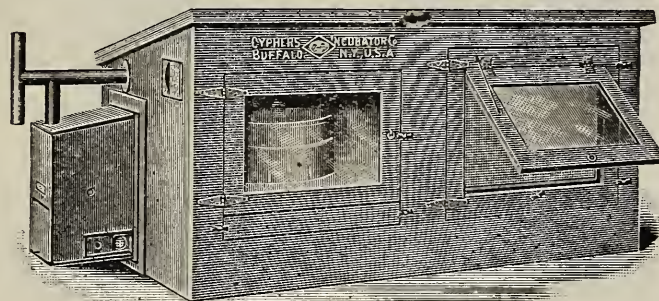
### ELECTRIFYING THE POULTRY BUSINESS

Heated by electricity, perfectly controlled, their operation is wonderfully simple. Were it not for turning and cooling the Eggs daily, the Incubator could be set at 103 degrees and forgotten for three weeks.

- No. 1—60 Eggs. Price, \$30.00
- No. 2—120 Eggs. Price, 38.00



## CYPHERS STYLE "B" OUTDOOR BROODER



Brooding chicks outdoors is robbed of most of its difficulties and inconveniences when **Cyphers Brooders** are used: They are substantial, well-built and comfortable, even when the thermometer drops to zero or below on cold nights. **Cyphers Style B Outdoor Brooder** is the best product of our twenty years' experience in outdoor brooder construction. Remember, it is not a question of price in buying brooders, it's a question of raising the chicks! Thousands of users have proved that this brooder will do it where others fail.

PRICE, \$40.00.

**CYPHERS ADAPTABLE HOVER**—This is the heating device of the Style B Brooder, which is sold without the brooder house for Poultrymen, who want to construct their own brooder.

PRICE, \$18.50.

**CYPHERS CENTER LAMP PORTABLE HOVER**—Price, \$14.00.

**PARADISE BROODER**, base section. Price, \$30.00.

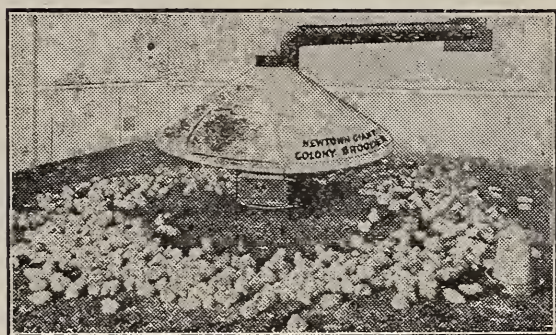
Let us send you a Cyphers catalogue if you are interested in buying some of the Cyphers products.

**IF IN THE MARKET FOR A MAMMOTH INCUBATOR SEND FOR CATALOG**



## NEWTON GIANT COLONY BROODER

### THE ONE PERFECT BROODER



Simplest,  
Safest  
and  
Most  
Economical

In Operation, Showing 1,000 Chicks.

It has thoroughly demonstrated its right to be called "The One Perfect Brooder" and is justly claimed to be superior to any Colony Brooder on the market. Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment—it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtowns are in successful operation than all other makes of coal-burning Colony Brooders combined.

Size No. 6	—Capacity, 200 to 300.....	\$19.50
Size No. 7	—Capacity, 200 up to 500.....	24.00
Size No. 11	—Capacity, 500 chicks or less.....	30.00
Size No. 11½	—Capacity, 750 chicks or less.....	35.00
Size No. 12	—Capacity, 1,000 chicks or less.....	38.50
No. 18—Oil Burning Blue Flame, Wickless Brooder Hover,	diameter, 36 inches.....	18.00
No. 25—Oil Burning Blue Flame, Wickless Brooder Hover,	diameter, 52 inches.....	25.00

Send for descriptive catalogue.

## REVOLVING EGG CABINET

### EGGS INTENDED FOR HATCHING

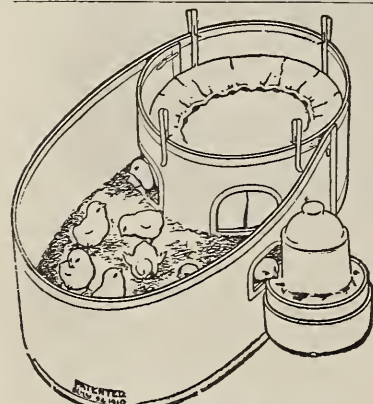
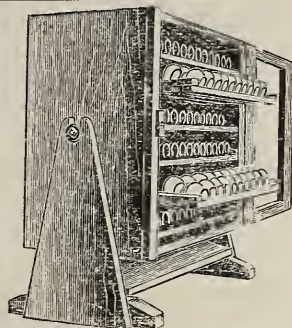
Should be turned daily, especially as warm weather approaches.

Eggs for market should be turned every two or three days, if they are to be kept any length of time.

Each egg is held in place by a pair of steel wire clips and the egg racks are removable for filling.

### PRICES:

150-Egg Size, \$6.00; 288-Egg Size, \$8.00 Revolving Egg Cabinet



The "Lullaby" Brooder

## THE "LULLABY" BROODER

Is positively the most simple brooder on the market, and yet it is built on lines true to nature, which insures the raising of nearly every chick entrusted to its care. Made of corrugated pasteboard. Capacity 25 chicks. Price, complete, \$2.00. Weight, 2 lbs.

## THE EYRIE SHIPPING COOP

Made of corrugated paper, will carry any distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock room.

Capacity	Size	Each	Doz.
B, Single,	12x18x22 in. Parcel post weight, 7 lbs..	\$0.75	\$7.50
D, Trio,	20x22x22 in. Parcel post weight, 10 lbs...	1.00	11.00
E, Pen,	20x24x22 in. Parcel post weight, 12 lbs....	1.25	12.00

## BROOD COOPS FOR HENS WITH CHICKS

PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORMS, ETC.

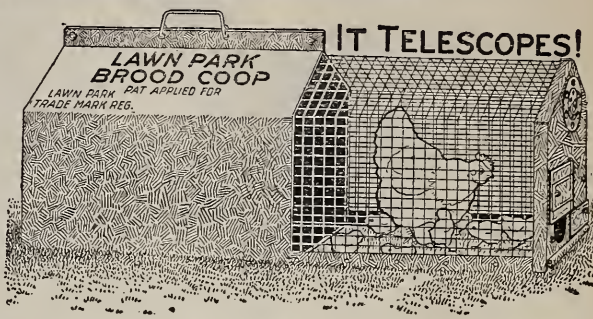
SAVES TIME, WORK AND WORRY.

The wire park pulls out like a bureau drawer and is made from heavy galvanized hard-ware cloth. The main coop is made from strong 28 gauge galvanized iron. Size of coop: when park is fully extended as shown

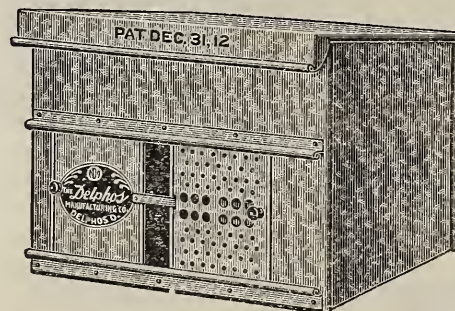
in cut, it is 18 inches wide, 19½ inches high and 48 inches long. When park is pushed in it is 24 inches long.

A small door is provided, independent of large door, to let small chicks out and have full range as desired.

The coop will save many useless steps. Makes caring for the chickens easy. Chicks are fed and watered in the run-way and here they can feed with no danger of being molested. When you retire you know they are safe. Makes a splendid place to set a hen or break up a broody one. Price, \$4.00.



The Babie Chick Feeder is made of ½-inch mesh galvanized wire, wood frame edged with sheet steel. It is 6 inches high 18 inches wide and 24 inches long; will accommodate 50 chicks, used in connection with Lawn Park or any other Brood Coop. With a Babie Chick Feeder attached to the Lawn Park you have a run-way 6 feet long, and chicks are protected against enemies and feeding is simplified and economical. Feed saved on one brood will pay for feeder. Price, \$1.25.



## The Delphos Superior Galvanized Brooder Coop

—Packed flat and can be put together without any tools. The bottom is elevated so chicks are not exposed to dampness, and it can be removed in an instant to be cleaned. All parts slide together in a bead and coop is perfectly rigid. Can be taken apart and packed away flat, occupying very little space when not in use. Rat and vermin-proof. Lice will not live

in a metal coop. A perfect shelter for hen and young chicks. Size, 17½x23x19 inches high in front and 16 inches high in back. Price, \$2.50.

## ECONOMY OATS SPROUTERS

FRESH GREEN FOOD KEEPS THE  
CHICKENS LAYING.

Every chicken raiser knows that. Sprouted oats can be grown without lamp—use the natural heat of the house.

Five sprouting pans, 16x17x2½ inch each. Stand is 34½ inches high.

Little room, no expense, big results.

PRICE, \$5.50.

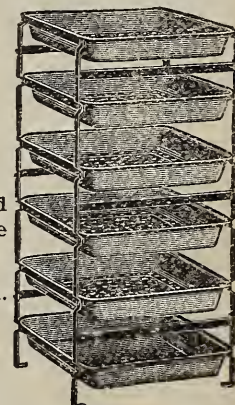


Fig. 1

## WOOD SHIPPING COOP

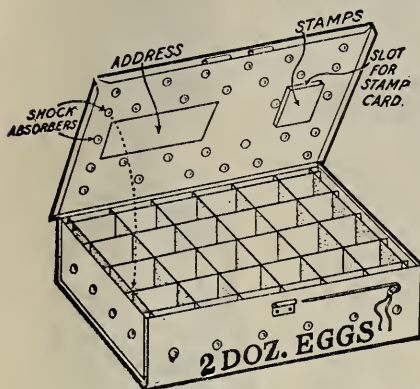
Made of light cedar wood, with strong wire top and spring fastener; no tools needed to open or close.

No. 20 Size for Trio or Pen. Parcel	
Post weight, 13 lbs.....	\$1.75
No. 18 Size for Single Birds. Par-	
cel Post weight, 7 lbs.....	1.25

These are used extensively for shipping exhibition stock, also for sending birds to Poultry Shows; very serviceable.



## SAFETY FIRST METAL EGG CRATES FOR PARCEL POST



Solve the problem of shipping eggs safely by Parcel Post. They are made for continued use, being strongly constructed but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for long life.

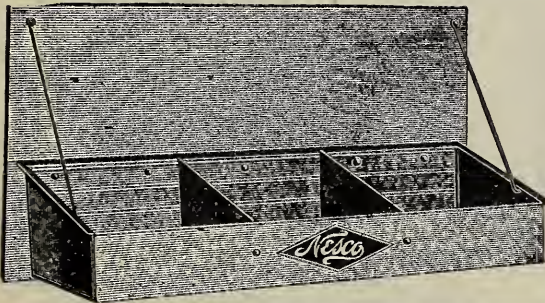
Metal Egg Crates do not require outside wrapping for mailing. A short string only is needed for tying "pin" which holds lid securely closed.

Buy your eggs direct from the producer, "strictly fresh," delivered to your door by Parcel Post. The total cost, including postage, will be less than from your grocer.

This "Safety First" egg carrier will pay for itself in a few shipments by eliminating the loss in breakage so frequent when shipped in the short-life paper cartoons. It will prove itself to be a profitable investment.

Postage is no more than for other egg carriers.

2-Dozen Egg Size, Parcel Post weight, 3 lbs.	\$1.00
4-Dozen Egg Size, Parcel Post weight, 3 lbs.	1.50
3-Dozen Egg Size and container for 3½ lbs. Butter, Parcel Post weight, 3 lbs.	1.85
6-Dozen Egg Size, Parcel Post weight, 4 lbs.	1.75



## NESCO NESTABLE NEST

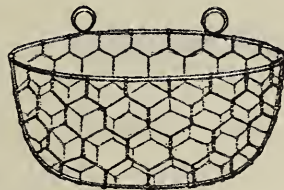
Made of rust proof metal, wire braces and removable partitions.

Price, complete, \$1.00 each.

## WIRE NESTS

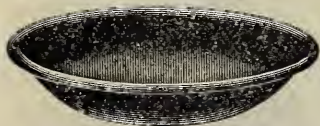
These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes.

Price: Each, 20c. Parcel Post weight, 1 lb.



## INDURATED FIBRE PIGEON NESTS

Indurated Fibre Pigeon Nest—Fills a long-felt want for all squab breeders. Price, 25c. each; weight, 1 lb.; \$2.50 per dozen; weight, 9 lbs.



## NEWTON PRACTICAL TRAP NEST

The Truly Reliable Detector of the Shirking Hen.

The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce. Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability—with a trap that works noiselessly and surely



PRICES, SHIPPED CRATED, READY FOR USE:

One Complete Single Nest, 14x18x15 in.	\$1.25
One Complete Set of 2 Nests, 27x18x15 in.	2.00
One Complete Set of 3 Nests, 40x18x15 in.	2.75
One Complete Set of 4 Nests, 53x18x15 in.	3.50
One Complete Set of 5 Nests, 67x18x15 in.	4.25

Your order for one or more Practical Trap Nests will receive our prompt attention. Send it now and do away with those birds that produce nothing and eat much.

## EGG BOXES, CARRIERS, ETC.

"Humpty Dumpty" Egg Carrier—Fig. 5. A very light, strong and convenient egg crate and carrier. Made of hard wood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible.

Capacity	Each	Parcel Post Weight
72 Eggs, 6 dozen	40c.	4 lbs.
144 Eggs, 12 dozen	50c.	7 lbs.

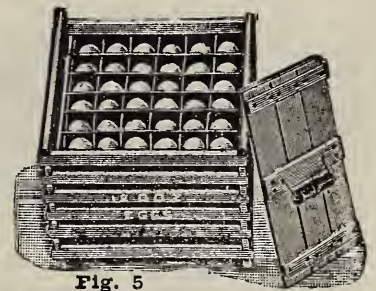
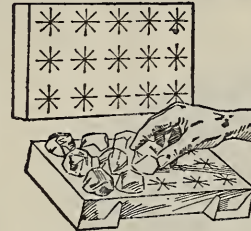


Fig. 5

## "DIAMOND" SAFE DELIVERY PARCEL POST EGG CARRIERS

Can be used repeatedly for a long time, will stand a pressure of 150 pounds. Each egg is wrapped in tissue which is furnished with the box.



Size	Wt.	Price	Price	Wt.
1 doz.	1-lb.	\$0.25	\$2.90	12-lb.
2 doz.	2-lb.	.40	4.20	20-lb.
3 doz.	2-lb.	.50	5.45	26-lb.
4 doz.	3-lb.	.65	7.00	31-lb.
5 doz.	4-lb.	.75	8.45	42-lb.
6 doz.	4-lb.	.85	9.50	50-lb.
8 doz.	5-lb.	1.00	11.80	58-lb.
15 eggs	2-lb.	.30	3.00	17-lb.

## M-S EGG BOXES FOR PARCEL POST

This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Their extreme light weight, when compared with other packages, will, in many cases save the postage for an extra pound. Fold flat for shipment. For shipment each egg must be wrapped in paper.

Fig. 7

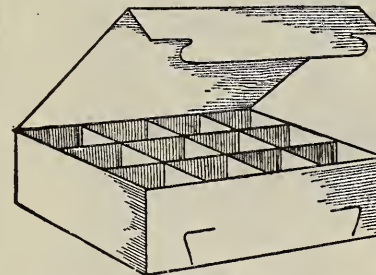
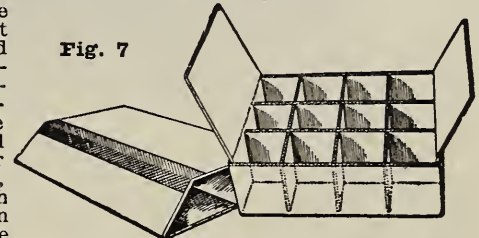


Fig. 8

amount of trouble for the seller. pact shape. 15c. per doz.; weight, 2 lbs. \$2.25 per pkg. of 250. 1,000, \$8.25.

Continental Egg Box—Fig. 9. Eggs packed in these boxes will withstand rough handling and reach the consumer in the best condition. They can be packed neatly in all standard sizes of egg shipping crates. 20c. per doz. Weight, 2 lbs. 100, \$1.50. Weight, 14 lbs. Box of 250, \$3.25.

Egg Case Fillers—For Humpty Dumpty or Regular 15- and 30-dozen Egg Crates. Box containing 100 Fillers and Dividers, enough to fill 10 30-dozen Egg Cases, \$2.50; dozen lots, 30c. Weight, 2 lbs.

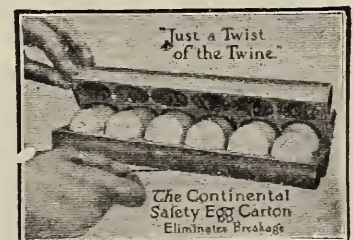


Fig. 9

Anderson's Egg Boxes—Fig. 11. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.



Fig. 11

	Each	Doz.
One setting—weight, 1 lb. each; 10 lbs., doz.	\$0.25	\$2.25
Two settings—weight, 2 lbs. each; 13 lbs., doz.	.30	3.00
50-egg size—weight, 4 lbs. each; 24 lbs., doz.	.40	4.25
100-egg size—weight, 5 lbs. each; 45 lbs., doz.	.65	7.00



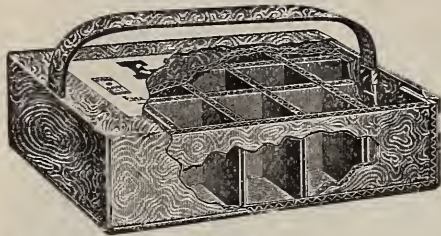


Fig. 2

**Eyrie Egg Boxes—**  
Fig. 2. 1 setting, each, 30c.; wt. 1 lb., \$2.50 per doz. 2 settings, each, 35c.; wt., 2 lbs., \$3.75 per doz. Cannot be used for parcel post on account of locking feature.

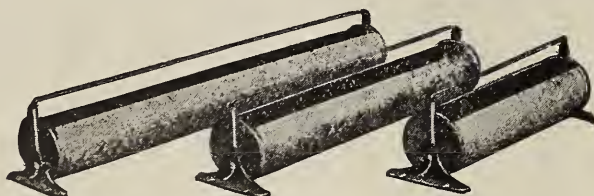
## CHICK BOXES

**Live Chick Shipping Box—**Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.



	Weight of 1 box	Size	Each	Doz.
25 chicks.....	1	12x 6x5	25c.	\$2.25
50 chicks.....	2	12x12x5	35c.	3.00
100 chicks.....	3	24x12x5	45c.	4.25

## NORWICH CHICK FEEDER



Positively prevents chicks from wasting the mash, and it is impossible for them to get into the feed, thus making it an absolutely sanitary feeder. Top rod removable for filling and cleaning. Ends riveted and burned to brackets. The strongest and best Chick Feeder ever placed on the market. Perfection as a sour milk feeder.

10-inch—Parcel Post weight, 15 ounces.....	\$0.30
15-inch—Parcel Post weight, 19 ounces.....	.35
20-inch—Parcel Post weight, 23 ounces.....	.45

With Rain Top add 12 cents to list and 7 ounces to weight.

F. O. B. Baltimore, Md.

Can be sent by Parcel Post; add postage for zone.

Sometime ago I bought a four-dozen Parcel Post Egg Box from your house. Same made fourteen round-trips between Baltimore and Freeland, Md. In the entire time only two eggs cracked.

Yours truly,

(Signed) J. W. ERDMAN, Baltimore, Md.

Gentlemen: I have been using your Norwich Automatic Feeders and Fountains in all of my pens for several years. This season I have put in some of your Norwich Dry Mash Hoppers and I must say that I am more than pleased with all three of these machines. It does away with a great deal of labor, and it really makes the feeding of poultry a pleasure.

Yours truly,

J. M. ROBBINS, Fallston, Md.

## THE NORWICH AUTO-MATIC EXERCISER AND FEEDER

Were Awarded Gold and Silver Medal at the Panama-Pacific Exposition.

Thousands upon thousands in use in every part of the civilized world. Operate with any grain or mixture; never out of order and will last a lifetime. Saves Grain, saves Labor, saves Time. Increases egg production. Waste, Rain, Rat and Bird proof. Improves the flock. Guaranteed satisfactory in every respect or money refunded.

No. 1, 8-qt. Hopper, wt., 13 lbs.,	\$5.00
No. 2, 14-qt. Hopper, wt., 15 lbs.,	5.50
No. 3, 20-qt. Hopper, wt., 20 lbs.,	6.50
No. 4, 32-qt. Hopper, wt., 27 lbs.,	7.50

Awarded first prize wherever exhibited.

F. O. B. Baltimore, Md. Discount on quantities.

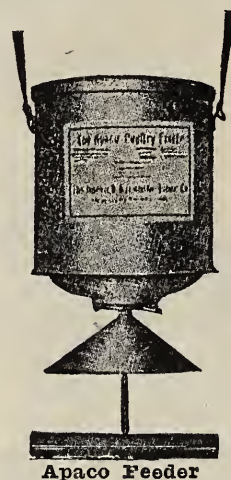
Can be sent by Parcel Post; add postage for zone.



## THE APACO POULTRY FEEDER

Same mechanical features which have proven so successful in the Norwich Automatic, but of the hanging type. Designed for the small breeder or "backyarder," but not recommended for the commercial plant owing to swaying motion, present in all hanging feeders, if kept constantly in action by larger flocks. Rotary action, complete with the all important adjustable valve for regulating feed discharge, and guaranteed the best automatic feeder on the market at its price.

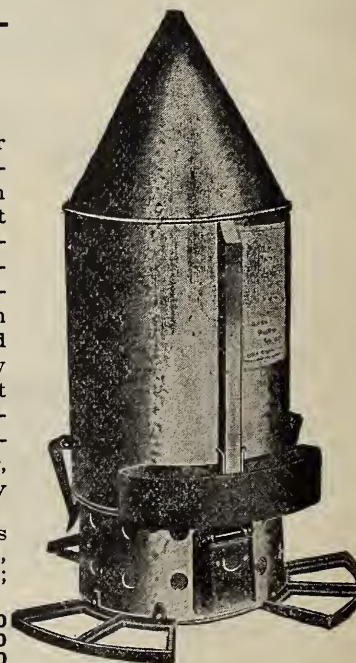
Made in one size only, 12-qt. capacity. Price, \$1.75. Shipping weight, 5 lbs. F. O. B. Baltimore, Md. Can be sent by Parcel Post; add postage for zone.



## THE NORWICH AUTO-MATIC AIRLOCK FOUNTAIN

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning about once in three months only. Guaranteed frost-proof to ten degrees below zero, and has been operated at twenty-eight below without being effected. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Parcel Post weight, 17 lbs.; less burner base, 10 lbs.; base only, 10 lbs.  
Complete with Burner Base...\$7.00  
Without Burner Base..... 3.50  
Burner Base only..... 3.50





# The Norwich Automatic Dry Mash Hopper

The problem of automatic dry mash feeding is completely solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. There is only three-quarters of an inch of mash in the bottom of the basin, the twenty quarts supply being completely protected from the dust and dirt of the house. Mash always fresh and clean and always the same amount before the birds.



Without Rain Guard.



With Rain Guard.

Without Rain Guard; Parcel Post weight, 8 lbs.; capacity, 20 quarts .....\$5.00  
With Rain Guard; Parcel Post weight, 11½ lbs.; capacity, 20 quarts.....\$6.00



**Atsatt's Chick Feeder**—Very serviceable; galvanized iron; protected top to keep chicks out.

Price, 35c. Parcel Post weight, 1 lb.



## FELKER'S JR. CHICK FEEDER

Feeds dry mash and grain as well as sour milk or water.

Price, 35c. each.

Parcel Post weight, 2 lbs.

## SANITARY FOUNTAINS AND HOPPERS FOR POULTRY



Fig. 3

**"Peerless" Drinking Fountain** keeps the water clean and pure. 1-qt., brooder size, 40c.; 5-qt., 90c.; 10-qt., \$1.20; 5-qt. size with a heater (Fig. 2), to keep water from freezing, \$2.50; 10-qt., \$2.75. **Peerless Heater**, fitting both sizes; Price, \$1.75. Parcel Post weight, 2 lbs. Weights on Peerless Goods: 5-qt., 3 lbs.; 10-qt., 4 lbs.; 5-qt., with Heater, 4 lbs.; 10-qt., with Heater, 6 lbs.

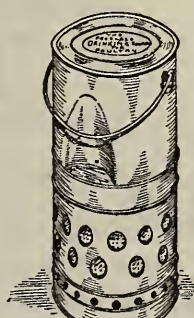


Fig. 2

## FELKER'S "1-2-3" POULTRY FEEDER.

Fig. 1.

For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.40; small size, 90c. Weight, 5 lbs. each.

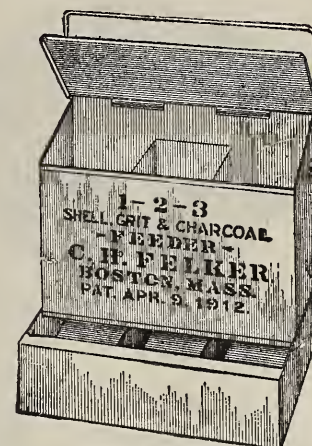
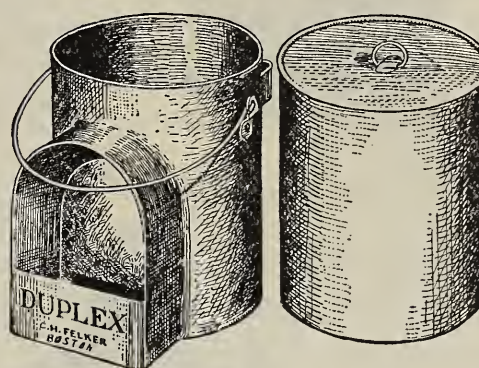


Fig. 1



**Felker's Duplex Wall Fountain**—A big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price, 4-qt. size, \$1.00, 3 lbs.; 8-qt. size, \$1.30. Parcel Post weight of either, 4 lbs.

**Wall Fountain**—Like the above, but made in one piece, 4-qt. size, 75c.; 10-qt. size, \$1.00. Weight same as above.



Closed

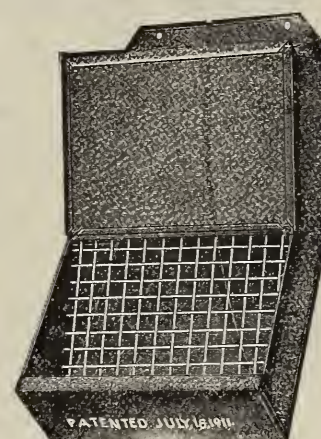


Fig. 2

**Sexton's Dry Feed Hopper**—Fig. 2. Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust-proof. No. 1, poultry size, \$1.50 each. Weight, 7 lbs.

## KEYSTONE POULTRY AND PIGEON FOUNTAIN

Made of sheet steel, all parts riveted, then galvanized. No Solder is used at all. Nothing about them to rust. They are made to stand the knocks.

They should be hung above the floor or ground so that water is kept clean.

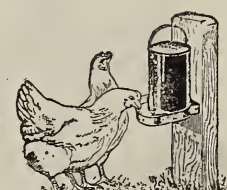
Use them once and they will be your favorite.



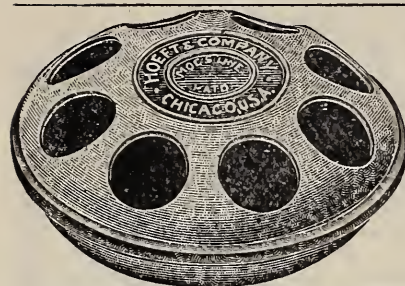
Illustration shows method of filling. The bail handle makes it possible to carry one or more when filled.

Made in four sizes: 1 qt., Price, 40c.; 2 qt., Price, 60c.; 1 gal., Price, 90c.; 2 gal., Price, \$1.25.

Parcel Post weight, 1 lb., 2 lb., 3 lb. and 4 lb., respectively.







## ROUND BABY CHICK FEEDER

Pure food for the Baby Chicks. Saves feed; cannot upset.

Two sizes — 8 - Hole, 25c. 12-Hole, 40c.

Parcel post weight, 1 and 2 lbs., respectively.

## McCANDLISH IMPROVED CHICK FEEDER

PATENTED JULY 17, 1917 -- NO. 1234054

EQUIPPED WITH  
ADJUSTABLE PARTI-  
TIONS FOR VARIOUS  
KINDS OF FEED

AN IDEAL DRINKING  
RECEPTACLE ALSO



MADE OF  
GALVANIZED IRON  
NO ROUGH EDGES  
WASTE IMPOSSIBLE  
CAN'T CAPSIZE

LENGTHS  
12, 20 AND 30 IN.

PRICES  
35, 50 & 75 CTS.

REVOLVING ROD PREVENTS THE CHICKS FROM PERCHING UPON IT, MAKING THE FEEDER ABSOLUTELY SANITARY

The Nesco Fountain, as per illustration, Fig. 9. Impossible for chickens or pigeons to roost on same.



Fig. 0

	Weight	Price
1-quart....	1 lb.	\$0.30
2-quart....	2 lbs.	.35
4-quart....	2 lbs.	.50
8-quart....	3 lbs.	.75

Nesco No. 0 Chick Fountain, 15c. each; weight, 1 lb.; \$1.25 per dozen; weight, 4 lbs.



Fig. 9

No. 10.—No-Slop Feeder and Fountain combined (as per illustration Fig. 10), to be used with Mason Preserve Jar for either food or water and affords a constant, clean supply. Made of black steel and heavily galvanized. 25c. each, weight 1 lb.; \$2.00 per dozen, weight 6 lbs.

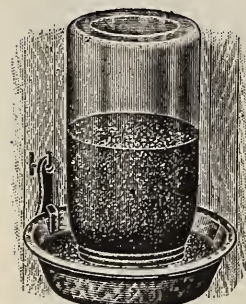


Fig. 10

Feed Cups for Exhibition and Training Cages—  
Fig. 2. Large size, 25c. each, \$2.50 dozen; small size, 20c. each, \$2.00 dozen. Parcel post weight, 1 pound.



Fig. 2

## THE PROPER FEEDER FOR "LAY OR BUST" DRY-MASH and PARK & POLLARD GROWING FEED.



These feeders are made of heavy stoneware, are very strong and durable, easily cleaned and never clog. They present the feed in such a manner as to be always easily accessible, and at the same time the birds cannot waste the feed.

For best results the feed should be presented to the birds in two dishes, if the flock contains over a dozen birds, and should be placed somewhere in the middle of the pen where the light will strike into them freely and kept about two-thirds full (one feeder for every dozen birds is a good rule).

Capacity, 6 quarts. Price, 75c. Sent by express only.



## FEED PAN Capacity 8 qts.

Made of heavy galvanized sheet iron; will last a lifetime. Price, 50c. Parcel post weight, 2 lbs.

"Apex" Wall Feed Pan—It can be hung high or low out of the way. Easy to clean. Similar to feed pan illustrated. Can be used for feed, grit, etc. Price, 50c. Weight, 2 lbs.

## LEG BANDS FOR POULTRY, ETC.

### ALL POSTPAID

Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab.



Fig. 5

Table of sizes of bands for different breeds. Order by number.

No. 1—Bantams and small Mediterranean females, etc.

No. 2—Ordinary Mediterranean and pit game females, etc.

No. 3—Mediterranean males, American females, pit game males.

No. 4—American males, medium Asia-tic females, turkey hens, etc.

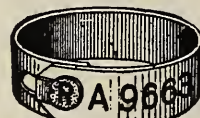
No. 5—Ordinary large Asiatics and tom turks, etc. "Climax" Leg Bands—Fig. 5. The original "Spring" wire and clasp band. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 90c.; 250, \$2.00; 500, \$3.75. Made in sizes as table above.

"Spr-Ol" Leg Bands are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list; 12, 15c.; 50, 60c.; 100, \$1.00; 500, \$4.00. Pigeon and Day Old Chick Size; 12, 15c.; 25, 25c.; 50, 40c.; 100, 75c.; 500, \$3.50.



Double-Clinch

"Smith Sealed" Bands—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, Dozen, 30c.; 25, 50c.; 50, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1,000, \$12.50. Sizes as table above.



Sealers for sealing S. S. Bands—Plain, 85c.; lettered jaw, \$1.00.

"Double-Clinch" Leg Bands—Made in sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 90c.; 250, \$2.00; 500, \$3.75; 1,000, \$6.25.

## CHAMPION LEG BAND



Fig. 2

\$1.75; 500, \$3.25; 1,000, \$6.00.

"Colored" Eclipse Poultry Bands—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Prices, Dozen, 40c.; 25, 80c.; 50, \$1.50; 100, \$2.75.



Fig. 6

Seamless Pigeon Bands—Made in three sizes. Prices, Dozen, 30c.; 25, 50c.; 100, \$1.50.

Open Chick, or Pigeon Bands—Made in two sizes. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 75c. Fig. 6.



Fig. 7

Coloroid Three Number Pigeon Bands—Fig. 7. This band is the most visible, most effective and practical numbered leg band made; in colors that can be seen at a distance. Prices, 6 pairs, 35c.; 12 pairs, 65c.; 25 pairs, \$1.15; 50 pairs, \$1.75.

Ideal De Luxe Pigeon Bands—Two colors on each band, all colors for marking mated pairs. Prices, 6 pairs, 35c.; 12 pairs, 65c.; 25 pairs, \$1.15; 50 pairs, \$1.75, postpaid.

Mr. L. M. Webb, No. 3 Hayward Avenue, Arlington, Md., tells us that Park & Pollard's Foods are the only ones to feed.



## Sterlingworth Water Glass

Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy **STERLINGWORTH WATER GLASS**, the pure, strong kind. It will stand the maximum amount of dilution with water. **Don't take chances.**

Price, 1 quart, 50c.; 1 gallon, \$1.25.



## EGG-O-LATUM—Keeps Fresh Eggs Fresh for One Year

**EGG-O-LATUM** is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors, or germs can get in. The egg is preserved in all its original freshness. The application of Egg-o-latium is easily and quickly done. A dozen per minute. Fresh eggs must be used, preferably unfertile. **Per jar, 50c., postpaid.** Enough for 50 dozen eggs.

## NEST EGGS, RAT DESTROYERS

**Medicated Nest Eggs** keeps away vermin and acts as nest egg at same time. **5c. each. 50c. dozen.** Parcel Post weight, 2 lbs. per dozen.

**Lime Stone Nest Eggs**—Very natural; will last a long time. **5c. each; 50c. dozen.** Weight, 1 dozen, 2 lbs.

**Opal Nest Egg**—Prices: **5c. each; dozen, 40c.** Special price on quantities. Weight, 1 dozen, 1 lb.

## Common Sense Exterminator



# KILLS RATS

*Why feed rats when a 25c can of "Common Sense" will clean them out?*

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it.

Get a can NOW and if you do not find it entirely satisfactory, we will refund your money. Also ask us about the **ROACH** preparation

## YOUNG'S RAT DESTROYER

Don't suffer with the damaging rats. We sell this destroyer like all our other merchandise, on the money back plan. Get your money back if it does not drive every rat off the place. **Price, 25c.; express collect.** Cannot be sent by mail.

## BARIUM CARBONATE

—The best rat destroyer, sure to kill.

**25c. Pkg., postpaid.**

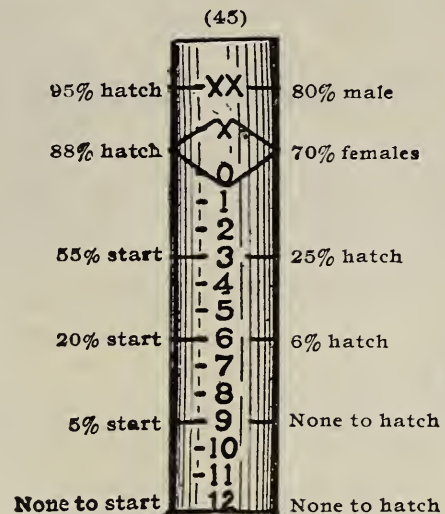


**Mehler Scraper**—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. **Price, \$1.25.**

## SULPHUR FUMIGATING CANDLES

A Microbe and germ killer. Also lice and mite destroyer. Is put up in original form with wick ready for the match. **15c. each.** Parcel Post weight, 1 lb.

## Breeders' Magic Egg Tester

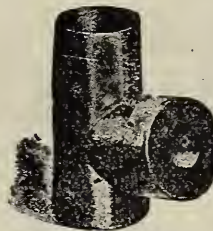


**Magic Egg Tester**  
PAT. '08

Is now universally used by poultrymen everywhere to select the strongest eggs for hatching **BEFORE** incubation.

Requires no skill nor expense to operate—just a pair of hands and eyes. Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies.

Fully guaranteed. **\$2.50 each.**



**X-Ray Egg Tester**

**X-Ray Egg Tester**—Price, 30c. each  
Mailing weight, 1 lb.

**Vermin-Proof Roost Support**—Price, 40c. pair.  
Mailing weight, 2 lbs.

**Blue Flame Gas Burner for Incubators**—Price, 75c. each, postpaid.



**Zero Brooder Stove**

**"Zero" Brooder Stove**—Brooders all complete, Price, \$2.00. Weight, 3 lbs.

**Incubator Wicks**—State sizes wanted. Price, 2 for 5c.; doz., 25c., postpaid.

**Brooder Wicks**—State sizes wanted. Price, 2 for 5c.; doz., 25c., postpaid.

**Incubator and Brooder Lamp Burners**—For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. Large size, 75c.; small size, 50c. Mailing weight, either size, 1 lb.

**Incubator and Brooder Tanks**—Small size, 60c.; large size, 75c. This does not include burners. State size of burner wanted.

**"Zenith" Chimneyless Brooder Lamp Burner**—Price, 75c. Mailing weight, 1 lb.

## EGG-O-HATCH

**Egg-O-Hatch** is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off; makes more brittle and porous the shell of the egg. **50c. per pkg., postpaid.**

## PRACTICAL POULTRY BOOKS

**Practical Poultry Books**—(All postpaid). The Campines, 75c.; The Orpington, 75c.; Rhode Island Reds, 75c.; Successful Poultry Keeping \$1.00; Artificial Incubating and Brooding, 50c.; The Plymouth Rocks, Wyandottes, Leghorns, each \$1.00; Asiatics, 50c.; Eggs and Egg Farms, 50c.; Poultry House and Fixtures, 75c.; Chick Book, 50c.; Ducks and Geese, 75c.; Turkeys, Their Care and Management, 75c.; Bantam Fowl, 50c.; Reliable Poultry Remedies, 25c.; Egg Record and Account Book, 25c.

**The Standard Book of Perfection**—Everybody who raises poultry should have one of these books. Price, \$2.00.

**Reliable Poultry Journal**—A monthly practical poultry magazine; one year's subscription, 50c.; with any of the above books, 40c.



**Felt**—For Incubator Diaphragms and Brooders—Price, 75c. square yard, postpaid.

**Weather-proof Sheeting**—Valuable for curtains on poultry house fronts. Keeps out rain and drafts, but permits light. Price, heavy grade, 25c. yard, postpaid.

We carry Cyphers, Cycle Hatcher and other brooder and incubator repairs.

## Incubator Thermometers, Caponizing Sets, Etc.

Cyphers Incubator Thermometer, 90c., postpaid.

Cyphers Adaptable Hover Thermometer, \$1.50, postpaid.

Cyphers Portable Hover Thermometer, \$1.50, postpaid.

"Tycos" Incubator Thermometer, No. 5770—Many poultry raisers prefer the standing type of Incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price, 90c. each, postpaid.



No. 5782  
Thermometer

"Tycos" Incubator Thermometer. No. 5774—Most popular. Suitable for any incubator. Price, 90c., postpaid.

"Tycos" Certified Incubator Thermometers. No. 5782—Price, \$1.25, postpaid.

"Tycos" Brooder Thermometer, No. 5790—Mounted. Price, \$1.50, postpaid.



"Tycos" Incubator Hygrometer, No. 5796—Price, \$1.50. Extra wicks, 10c. each, postpaid.

Philadelphia Caponizing Set—In plain box, \$3.00.

In velvet-lined box. Price, \$3.25.

Gape Worm Extractors—Price, 30c., postpaid.



Fig. 5



Fig. 6

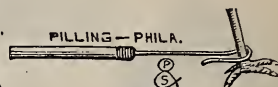


Fig. 7

Philadelphia Poultry Marker—Large and small. Price, 30c., postpaid. Fig. 5.

Poultry Marker—In shape of plyers. Price, 30c., postpaid. Fig. 6.

Pilling Fowl Catcher—Price, 30c., postpaid. Fig. 7.

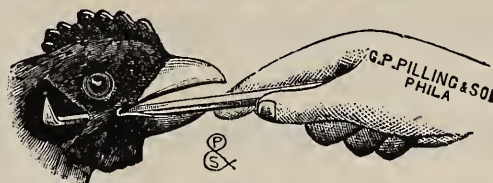


Fig. 7

Angular Killing Knives—Fig. 7. Price, 65c. each.

French Poultry Killing Knife—Fig. 6. Price, 65c.

French Safe Edge Killing Knife—Price, 65c.

Poultry Roup Syringe, 15c. each.

All the above postpaid.

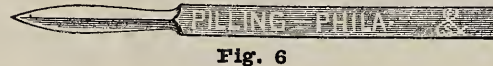


Fig. 6

## ANTI-SETTING DEVICE—Stops the Hen Setting

Breaks 'Em Up In 24 Hours (Patent Applied For)



Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. It will change her setting ideas, and put her on the layers list in the shortest possible time. Does away with broodie coops and the extra care tending them. Poultry keepers, large and small cannot afford to do without it. So simple and effective you will wonder why you had not thought of it. Guaranteed to do all we claim. Saves dollars that only cost cents. Try it. Prices, 15c. each; dozen, \$1.00, postpaid.



Park & Pollard's "Lay or Bust" has revolutionized the poultry business. It has made it possible to make money on hens and be sure of it. Here is a feed which, plus energy and cleanliness, leaves failure out of the question. "Lay or Bust" suits the hen to a T. The hens eat ALL of it because it is all good. There is no waste. The many wholesome ingredients used in making "Lay or Bust" are blended just right. There is never too much of one thing and a lack of others to make the feed unbalanced, not uniform and unfit. Hens love "Lay or Bust." It puts the jingle into them, makes them feel good, and supplies the things they need to send them often to the nest. **Lb., 5c.; 100 lbs., \$4.75.**

Park & Pollard Screened Feed—Red Ribbon Scratch is so carefully blended and proportioned that no fear of overfeeding need be entertained. Scratch Feeds are usually made the dump of refuse grains that cannot be sold in the open market, and when making comparison of prices, keep in mind that every kernel of grain in our feed is sweet, and that there are no sweepings or weed seed contained. **Lb., 6c.; 100 lbs., \$4.85.**

Pontiac Scratch Food—Lb., 5c.; 100 lbs., \$4.75.

Park & Pollard Growing Feed—To be fed after chicks are 10 days old, and to be continued until ready for market or the pullets start to lay, when they should be fed "Lay or Bust." Stuff your youngsters with it and your chickens will always be ready for the table or market and show you better returns than ever before. As a moulting food for all old stock and a pusher for the developing pullets it is recognized as the best by all poultrymen who have used it. **Lb., 6c.; 100 lbs., \$5.00.**

Park & Pollard Intermediate Chick Feed—A chicken is a great deal like a small boy. The small boy is in a hurry to get out of skirts and into pants. The chickens are the same—they really seem eager to get out of the finer chick feed class and begin to eat the coarser, or Intermediate Feed, before we would think they should, but it's safe to trust their appetites and let them have it and as much of it as they will eat most any time after they are a month old, alternating these meals with the finer feed. Fed in connection with our Growing Feed. **Lb., 6c.; 100 lbs., \$5.50.**

## POULTRY FEEDS, GRIT, SHELLS, ETC.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Park & Pollard Baby Buster Chick Feed—Contains a better variety of grains and seeds, and of a higher quality than any other feed on the market, and in addition to this superior assortment of grains and seeds, it contains animal food in the form of dried shredded codfish, supplying protein, lime and phosphorus in the right proportions. The fish we use being put through a special preparatory process that eliminates all the fat; it supplies the newly hatched birds at the crucial age when most needed, with animal protein, without the animal fat. **Lb., 6c.; 100 lbs., \$5.50.**

Park & Pollard Red Ribbon Chick Feed—If you feel you cannot afford Baby Buster Feed, try out Red Ribbon Brand. This will raise more chickens than any other feed except Gritless Chick Feed. It is manufactured just as carefully as our famous Gritless Chick Feed, but leaving out the animal food reduces the cost. **100 lbs., \$5.00.**

## VARIOUS POULTRY AND PIGEON FOODS

	Per lb.		Per lb.
Whole Corn .....	6c.	Linseed Meal .....	6c.
Cracked Corn .....	6c.	Kafir Corn .....	6c.
Corn Chop .....	6c.	Canada Peas .....	8c.
Oats .....	5c.	Buckwheat .....	6c.
Barley .....	5c.	Cracked Rice .....	6c.
Bran .....	5c.	Hemp Seed .....	15c.
Middlings .....	5c.	Millet Seed .....	10c.
Gluten Meal .....	6c.	Hulled Oats .....	7c.
Cotton Seed Meal .....	6c.	Sunflower Seed .....	20c.
Mixed Pigeon Food .....	7c.	Rolled Oats .....	10c.

Prices on larger quantities furnished on application.

**SUCCULENTA TABLETS.**—These are a concentrated substitute for green feed. It supplies the essential ingredients that the birds have hitherto obtained only through green feed. To be dissolved. 1 tablet to 1 quart of water. 100 wafers, 50c.; 250 wafers, \$1.00; 500 wafers, \$1.75; 1000 wafers, \$3.00, postpaid. Sold on the money back guarantee.



**Mixed Pigeon Food**—Composed of recleaned, sound and sweet grains and seeds in a great variety. The 1912 and 1914 Baltimore Poultry and Pigeon Show was fed with this food. **Price, 1 lb., 7c.; 100 lbs., \$5.50.**

**Tobacco Stems**—Price, 5c. lb.; 100 lbs., \$2.25. **Special price on quantity.**

**Royal Crown Beef Meat or (Beef Scrap) for Poultry**—Analysis: Protein, 50 to 55%; Fat, 12 to 15%; Fibre, 1 to 2%. **Lb., 8c.; 100 lbs., \$6.50.**

**Crushed Bone for Poultry**—Medium size; suitable for old and young chickens. **Lb., 6c.; 100 lbs., \$4.50.**

**Crushed Oyster Shell**—Important as an egg-shell maker. **Price, 2½c. lb.; \$1.25 per 100 lbs.** Two sizes, fine and coarse. **Special price on quantity.**

**Storage Can**—Fig. 1. Galvanized, deep cover, rat and damp-proof. Excellent for storing grain or dry mash. No. 77, capacity, 2½ bushels. **Price, \$3.25.**

**Charcoal**—Aids digestion and promotes health. Fine, Medium, Coarse. **Prices: Lb., 10c.; 5 lbs., 40c.; 10 lbs., 75c.; 50 lbs., \$2.25.**

**Alfalfa Clover**—Dustless, short-cut, pure alfalfa, specially prepared for poultry. **Price, 1 lb., 5c.; 100 lbs., \$3.25.**

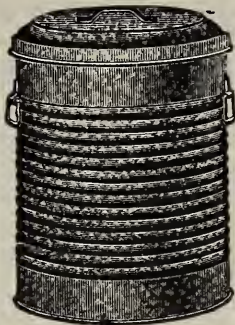


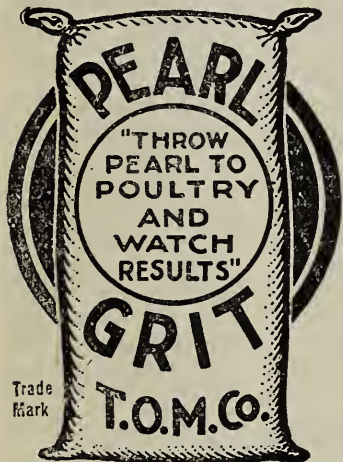
Fig. 1

**Pearl Grit**—For more eggs and healthy fowls use Pearl Grit. It serves a double purpose—grinds, nourishes, strengthens, and makes shell. No. 1 for chicks and pigeons; No. 2, medium poultry; No. 3, large poultry. **Price, 2½c. lb.; 100 lbs., \$1.25.** **Special price on quantity.**



**"RED CROSS" HEALTH GRIT**

For pigeons and poultry. **Price, 4c. lb.; 50 lbs., \$1.25; 100 lbs., \$2.25.**



## SONG BIRD SUPPLIES

Lb.	Lb.
Canary Seed .....25c.	Sunflower Seed...20c.
Bird Rape .....25c.	Hemp Seed .....15c.
Millet .....15c.	Mixed Bird Seed..25c.

**Special price in quantities.**

**Cuttle Fish Bone**—Price, 5c. each; 75c. lb.

**"Gloria" Song-Restorer Food**—This is an important article which is scientifically proportioned and has been fed with great success. **Price, 1 lb., 35c.**

**For-get-me-not, Wild Bird, Seed Mixture**—Feed the little songsters in the winter time. **15c. lb.**

**Bee Brand Lice Powder**—A most effective remedy for killing lice and fleas on birds, cats, dogs, monkeys, rabbits, etc. **Price, 10c. and 25c. a Can.**

**Bird Sand for Canaries and other birds.** Very necessary; what we offer is sifted and free from all dust. **5c. lb.** **Special price on quantities.**

**A Reliable Medicine for Loss of Song, Asthma or Hard Breathing, Diarrhoea, Moulting Out of Season, and Those Troubles Arising from Colds or Exposure of Cage Birds.** It is a liquid and is administered in the drinking water. Don't be discouraged if your bird is failing. Full directions on bottle.

**PRICE.....25 Cents.**

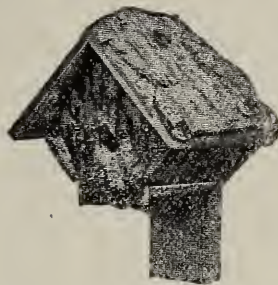


**"Zenoleum" Disinfectant Lice Killer and Animal Dip**—We have been selling this article for years and find it most



satisfactory. One gallon makes 100 gallons of fluid. **1 qt., 75c.; 1 gal., \$2.00. Liquid.**  
**"Zenoleum" Lice Powder**—Large 18-oz. Pkg., 30c.  
**"Dethol"**—Destroys all insects. It is stainless; can be sprayed direct on white poultry. A thorough disinfectant. **1 pt., 50c.; 1 qt., \$1.00; 1 gal., \$3.00.**

## M.S. ORNAMENTAL BIRD HOUSES



The earlier in the spring you get them up the better. The main things to remember if we wish to attract the birds, are that we must furnish them with proper nesting places, shelter, food and water and protect them at all times from their enemies.

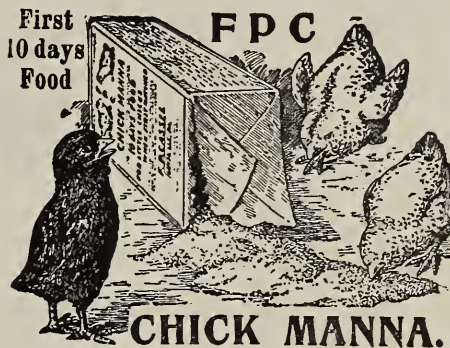
**The Teepee**—A very artistic hanging wren house, suitable for decorating porch. **Price, \$1.50, postpaid.**

**The Bungalow**—A very attractive house, and especially popular with the wrens. This bracket square house can be put up almost anywhere.

**Price, \$1.50, postpaid.**

**The Log Cabin**—A swinging house, very popular. **Price, \$1.50, postpaid.**

**Clay Wren Box**—15c. each. Weight, 2 lbs.



**Chick Manna**—Every poultry raiser should understand the value of this feed for starting the chicks and turkeys strong, vigorous, healthy and well developed. It is specially prepared for bringing the frail little creatures through the most critical period—the first 10 days—by regulating and strengthening their fine and tender organs, and thereby being better able to withstand the disease they are subject to. Is a complete food in every respect, requiring nothing more for the first ten days than chick manna.

**Prices, 1-lb. pkg., 15c.; 3-lb. pkg., 45c.; 5-lb. pkg., 70c.; 15-lb. pkg., \$2.00; 60-lb. bulk case, \$7.00; 100-lb. bulk case, \$11.00.**

**PRICES SUBJECT TO CHANGE.**

## POULTRY REMEDIES, DISINFECTANTS, ETC. PRATT'S REMEDIES



**Pratt's Poultry Regulator**—In use by the most successful poultry raisers everywhere. **Pkg., 12c., 30c. and 60c.,** shipping weight, 1, 2 and 5 lbs., respectively. **12-lb. pail, \$1.75; 25-lb. pail, \$3.00.**

**Pratt's Roup Remedy**—Pills or powder. **Price, 30c., 60c. and \$1.20, postpaid.**

**Pratt's White Diarrhoea Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Cholera Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Gape Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Bronchitis Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Chicken Pox Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Condition Tablets**—Price, 30c. and 60c., postpaid.

**Pratt's Head Lice Ointment**—Price, 30c., postpaid.

**Pratt's Scaly Leg Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Poultry Disinfectant Lice Killer and Dip**—1 qt., 60c.; 2 qts., \$1.00; 1 gal., \$1.75. **Liquid.**

**Pratt's Lice Killer**—Powdered form. **Price, 15c., 30c. and 60c.;** shipping weight, 1, 2 and 4 lbs., respectively.

## Pratt's Buttermilk Baby Chick Food

Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first two weeks. **Put up in 15c., 30c. and 60c. pkgs.;** shipping weight, 2 and 4 and 7 lbs., respectively; also 25-lb., 50-lb. and 100-lb. bags, \$2.50, \$4.50 and \$8.00, respectively.



**"American" Turkey Powder**—It is sure to raise your young turkeys to healthy birds. For poultry and pigeons. Shipping weight, 2 lbs. **Price, 30c.**

**Margaret Mahaney Black Head Remedy**—For turkeys; sure cure. **Price, \$1.00, postpaid.**





## DON SUNG Makes Hens Lay

Eggs will undoubtedly be higher in price this year than ever before. If you can keep your hens laying, this is your opportunity to make money.

Don Sung (Chinese for egg-laying) is a new scientific discovery for hens that stimulates the egg-laying organs and makes the hen healthy, strong and vigorous. As a result, she lays regularly in any season.

Don Sung is easily given in the feed, and costs nothing to try. It doesn't force or hurt the hen in any way. In fact, it makes her healthier. It is used by thousands of successful poultry raisers, the world over.

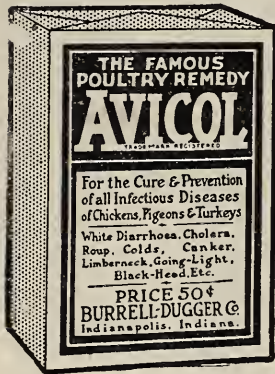
### Positively Guaranteed—Try This Test at Our Risk

Take ten hens, separate them from the others and give them Don Sung for one month. Then figure your egg yield. If you don't find that Don Sung has paid for itself and paid you a good profit besides, your money will be refunded without question or argument. A 50-cent package will handle this test.

Certainly this is fair enough. If your hens lay more, you are ahead. If they don't lay, you get your money back. We will take all the risk—we simply ask of you the opportunity to prove our claims. Get Don Sung for your hens today and start them laying. Don Sung will pay you.

Price 50 Cents. (Add 2c War Tax) Large Size \$1 Holds 3 times the 50c size. (Add 4c War Tax) Special Size \$5 Holds 6 times the \$1 size. (Add 20c War Tax)

## AVICOL Stops Chicks Dying



A few years ago it was considered impossible to prevent or cure White Diarrhoea. Today, Science offers the poultry raiser a new wonderful discovery. Avicol, that is easily given in the drinking water either for prevention or cure. The thousands of poultry raisers who have used Avicol are unanimous in their praise of it.

Avicol positively stops chicks dying. Get a package today and use it—we'll take all the risk of its making good. You can be the sole judge!

Sold in Three Sizes:  
25c size (Trial size)  
50c size (2½ times 25c size)  
\$1 size (2½ times 50c size)

Add war tax of 1c on 25c size, 2c on 50c size and 4c on \$1 size

## TALCIMIZED SODIUM FLUORIDE KILLS POULTRY LICE

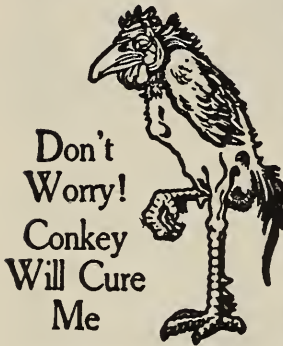
The U. S. Department of Agriculture recommends Sodium Fluoride to kill poultry lice. They report that it does the work better than anything else, killing both old and young lice, including the young which come from the eggs present on the fowl at the time of treatment.

### Talcimized Form Made Especially for Poultry

Talcimized Sodium Fluoride is made especially for poultry and carries the Government's direction for applying. It is safe, easy to use, inexpensive and absolutely does the work quickly and effectively.

Price 35c, (Enough to treat 50 chickens)

## LEE'S CALSINO AND CONKEY'S REMEDIES



Roup Cure, postpaid, 30c., 60c. and \$1.20  
Canker Special (Liquid)..... .60  
Cholera Cure, postpaid..... .30c. and .60  
Gape Remedy, postpaid..... .30c. and .60  
Limber Neck, postpaid..... .60  
Scaly Leg, postpaid..... .30  
Poultry Tonic, postpaid..... .30  
Chicken Fox, postpaid..... .30c. and .60  
Worm Cure, postpaid..... .30c. and .60  
Head Lice Ointment, postpaid, 15c. and..... .30  
Black Head Remedy, postpaid..... .60  
White Diarrhoea Remedy, postpaid, 30c. and..... .60  
Lice Powder, not postpaid, 15c., 30c., 60c. and..... 1.40  
Poultry Tonic—Express not paid, 30c. and 60c.; 12-lb. pail, \$1.60; 25-lb. pail, \$3.00; 50-lb. bag, \$5.00; 100 lbs. 9.50 not paid. Qt., 60c.; 2 qts., 90c.; 4 qts.,

Lice Liquid—Express \$1.50.  
Noxide Disinfectant—Express not paid. Ft., 50c.; qt., 75c.; 2 qts., \$1.25; gal., \$2.00.

Conkey's Buttermilk Starting Food—For Baby Chicks, to be fed for 6 to 8 weeks. 2½ lbs., 30c.; 5 lbs., 50c.; 10 lbs., 85c.; 25 lbs., \$2.25; 100 lbs., \$7.50.

Lee's Germozone—The best tonic for poultry of all kinds. Cures roup, cholera and other poultry diseases. 12-oz. bottle, 75c.; 4-oz. bottle, 40c.; in tablet form postpaid, 75c.

Lee's Egg Maker—One of the best egg producers and tonic. 35c. pkg., shipping weight, 3 lbs.; 75c. pkg., shipping weight, 6 lbs.; pail, \$2.00 and \$3.50.

Lee's Lice Killer—Qt., 50c.; 2 qts., 75c.; 1 gal., \$1.25. Liquid.

Lee's Insect Powder—For poultry. Price, 30c. and 60c. pkg.; shipping weight, 2 and 4 lbs., respectively.

French Poultry Mustard—Will increase egg production. 1½-lb. box, 60c.; 3-lb. box, \$1.00; 5-lb. box, \$1.75; 10-lb. box, \$3.00; 25-lb. pail, \$7.50.

Cal-Sino Poultry Restorative—Price, 30c. pkg., shipping weight, 2 lbs. 10 lbs., \$1.75; 25 lbs., \$3.50.

Cal-Sino Gape Cure—Sure cure. Price, 30c.; by mail, 35c.

Cal-Sino Lice Powder—Price, 30c. pkg.; shipping weight, 2 lbs.

Cal-Sino Cholera Drops—30c. and 60c. Not mailable. Liquid.

Cal-Sino Roup Remedy—30c.; postpaid, 35c.

Cal-Sino White Diarrhoea Remedy—60c., postpaid.

Cal-Sino Germ-Ex. Allaround Poultry Remedy—60c. Not mailable. Liquid.

Cal-Sino Head Lice Lotion—30c. Not mailable. Liquid.

Fox's White Diarrhoea Remedy—The very best. 50c. bottle. Not mailable.



Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, outbuildings. Prices: Trial package, by parcel post, 25c. Paints and disinfects 250 square feet. 10 pounds (10 gallons) for \$1.00.

## DOG FOODS, REMEDIES, ETC.



Conner's Ready-to-Fed Cooked Dog Food

—The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this food with entire satisfaction. Price of Food, 1 lb., 10c.; 100 lbs., \$7.50. Price subject to change.

Spratt's Meat Fibrine Vegetable Dog Cakes—A staple food for all breeds; too well known to be described. Price, 1 lb., 15c.; 100 lbs., \$12.50. Price subject to change.

Spratt's Puppy Biscuits—The standard puppy food. 1 lb., 15c.; 100 lbs., \$13.00.

Spratt's Dog Remedies—A remedy for each disease. Send for special booklet.

Spratt's White Dog Soap—Death to fleas. Price, 25c. Mailing weight, 1 lb.

Vermilax Dog Remedy—A remedy for each disease. Send for special booklet.

## SERGEANT'S DOG MEDICINES

Distemper Medicine—Retail, \$1.20. By mail, \$1.25.

Mange Medicine—Retail, 65c. Not mailable.

Condition Pills—Retail, 65c.

Sure Shot Capsules—Retail, 65c.

Sure Shot Liquid—Retail, 60c. Not mailable.

Arsenic and Iron Pills—Retail, 65c.

Dog Rub (a Liniment)—Retail, 60c. Not mailable.

Canker Wash—Retail, 65c.

Cough Medicine—Retail, 65c.

Well Mouth (Sore Mouth and Black Tongue)—Retail, 60c. Not mailable.

Eye Wash—Retail, 65c.

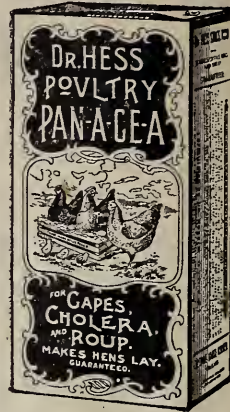
Tape Worm Medicine—Retail, 65c.

Rheumatic Pills—Retail, 65c.

Constipation Capsules—Retail, 30c.

Skip-Flea Soap—Retail, 30c.

Carbolic-Tar Soap—Retail, 30c.



Dr. Hess' Stock Tonic—Best for Hogs, Horses, Cows, etc. Pkg., 30c., 60c. and \$1.25. Parcel Post weight, 2 lbs., 7 and 13 lbs. 25-lb. Buckets, \$2.25.

Dr. Hess' Poultry Pan-a-cea—Guaranteed tonic and egg producer. 1½-lb. pkg., 30c.; 6-lb. pkg., 75c.; 12-lb. pkg., \$1.50; 25-lb. pail, \$3.00.

Dr. Hess' Instant Louse Killer—Shipping weight, 2 lbs. and 3 lbs. Price, 30c. and 60c. pkg.

Dr. Hess' Disinfectant and Dip—1-pt. bottle, 50c.; 1 qt., 75c.; 2 qts., \$1.00; 1 gal., \$1.75.

The Disinfectant That Paints—Use it instead of Whitewash. Put on with a brush or sprayer. A snow-white cold water paint that will not blister, flake or peel off, combined with a germicide 20 times stronger than carbolic acid, but neither caustic nor poisonous.





# M-S Wonder Bred Chicks

Are hatched to live and mature to big fine healthy specimens. We are this season hatching thousands weekly, and are better prepared than ever to fill the wants of our patrons.

We advise placing orders ahead of time, as the demand for our **M-S. WONDER BRED CHICKS** is always great. We will start deliveries the last week in February and continue until the first of June on all popular breeds.



## LIST OF M-S. WONDER BRED CHICKS

Prices for February and March Subject to Change Without Notice.

	100	50	25	12
Single Comb White Leghorn...	\$20.00	\$10.50	\$5.50	\$3.00
Single Comb Brown Leghorn...	20.00	10.50	5.50	3.00
Single Comb Buff Leghorn.....	22.00	11.50	6.00	3.25
Single Comb Black Minorcas...	22.00	11.50	6.00	3.25
Single Comb Mottled Anconas...	22.00	11.50	6.00	3.25
Barred Plymouth Rocks.....	22.00	11.50	6.00	3.25
White Plymouth Rocks.....	22.00	11.50	6.00	3.25
Buff Plymouth Rocks.....	25.00	13.00	6.75	3.75
Rhode Island Reds (both combs)	23.00	12.00	6.25	3.50
White Wyandottes.....	25.00	13.00	6.75	3.75
White Orpington .....	30.00	16.00	8.50	4.50
Buff Orpington .....	25.00	13.00	6.75	3.75

April prices \$1.00 per 100 less than February and March.

May and June prices \$1.00 per 100 less than April.

Small quantities accordingly. Prices Subject to Change.

Single Comb White Leghorns



Single Comb Rhode Island Reds

**PLYMOUTH ROCKS.**—The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Four varieties: Barred, White, Buff and Partridge Rocks.

**SINGLE AND ROSE COMB RHODE ISLAND REDS.**—These splendid fowl have a great many admirers, and are one of the best all-around fowl.

**WYANDOTTES.**—One of the most admirable kind. Marvelous layers. They grow very fast and feather out very rapidly, making broilers quicker than any other kind. Different colors—White, Buff, Golden, Partridge, Silver Laced and Columbian Wyandottes.



Barred Plymouth Rocks

**ORPINGTONS.**—Popular on account of their size and winter laying qualities. Three varieties—Buff, White and Black.

**SINGLE COMB LEGHORNS.**—The most popular fowl of the day. They grow very fast, often laying when only four or five months old; none-setters. Three varieties—White, Brown and Buff Leghorns.

**SINGLE COMB MOTTLED ANCONAS.**—A very beautiful fowl, strong and vigorous, good layers and none-setters.

**BLACK LANSHANGS, LIGHT BRAHMAS, BLUE ANDALUSIANS, WHITE PEKIN DUCKS, INDIAN RUNNER DUCKS, PEARL AND WHITE GUINEAS, MAMMOTH BRONZE, BOURBON RED AND WHITE HOLLAND TURKEYS, WHITE EMBDEN, TOLOUSE, CHINA and GRAY AFRICAN GEESE, PEA FOWLS.**

**AN IDEAL HOVER** for any number of chicks up to fifty. The Home Hover was designed to meet the requirements of the raiser of a small flock of poultry—around the home or around the farm. It is substantially built and of fire-proof construction throughout. With the exception of the legs the entire hover, including the lamp, is made of heavy galvanized iron, no wood whatever being used. This insures a long period of usefulness, as there is nothing to wear out.

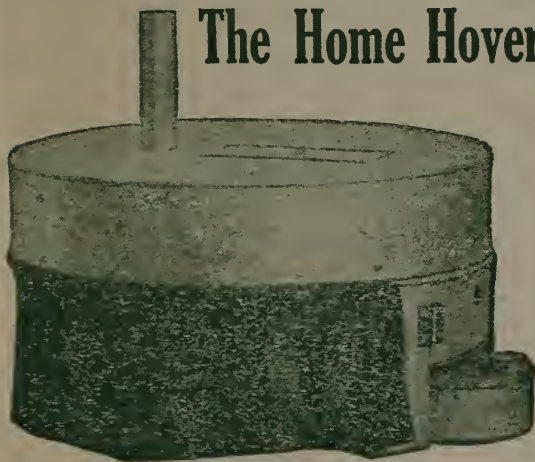
**PROVIDE** the warmth and comfort that will bring all your chicks through the brooding stage. A safe, reliable, long lasting, fire-proof hover designed by an expert on the brooding of chickens.

It is so inexpensive and yet so serviceable that no raiser of a small flock can afford to be without one. Buyers of baby chicks everywhere should arrange for a **Home Hover** when they arrange for their chicks.

Sent by parcel post or express on the same day order is received.

Capacity 50 chicks. **PRICE, \$6.00, postpaid.**

## The Home Hover



## PRICES ON POULTRY AND EGGS.

PRICES SUBJECT TO CHANGE.

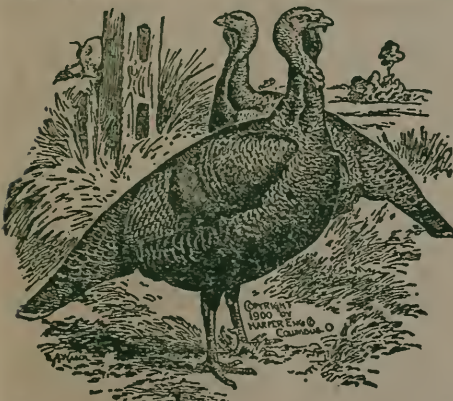
Single Birds .....	from \$ 4.00 to \$ 7.50
Pairs .....	from 7.50 to 10.00
Trios .....	from 10.00 to 12.50
Pens .....	from 17.50 to 25.00

Prices on Ducks, Geese, Turkeys, Guinea, Pea fowl and Pigeons on Application.

Prices on Eggs of Chickens, Ducks and Guinea, per setting of 15; Ducks, 11; \$2.50 to \$5.00.

100 or more \$12.00 to \$15.00

50 at 100 Rate.



Mammoth Bronze Turkeys



Indian Runner Ducks

OTHER ITEMS SPECIFIED ON THIS PAGE, PRICES FURNISHED ON APPLICATION.



